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Volume 146 No. 12 — Schnell Publishing Company, Inc., Publishers — September 18, 1944

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Published by Schnell Publishing Co., Inc.*

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Borates 'Trust' Suit Names Seven Firms

OPD Washington Bureau

Seven corporations and eleven individuals engaged in the business of mining, processing, manufacturing, selling, and distributing crude borates, borax, and boric acid were indicted for alleged violation of sections one and two of the Sherman antitrust act by a Federal Grand Jury in San Francisco, Calif., September 14, it was announced by the Department of Justice.

At the same time it was announced by the department that a civil suit was filed in the Federal district court in San Francisco to enjoin the continuance of the alleged violations and to obtain affirmative relief to correct the conditions which were produced by the unlawful acts. Named as defendants in the indictment and in the civil suit were:—

Borax Consolidated, Ltd., Danes Hill, Oxshott, Surrey, England; and F. A. Lesser and James Gerstley, both of London, joint managing directors.

Pacific Coast Borax Company, Los Angeles; and Frank M. Jenifer, Sherman Oaks, Calif., president and general manager; James M. Gerstley, Beverly Hills, Calif., director and vice-president; Frank T. Winters, Amityville, N. Y., di-

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Cartel Influence Assailed by Kilgore

OPD Washington Bureau

The Kilgore subcommittee of the senate investigating cartel practices of American and foreign concerns continued its hearings this week, receiving testimony of Department of Justice witnesses that Japan was able to get technical knowhow on some processes for 100-octane gasoline production before they were generally known to American firms; that German heavy industry will attempt to resume its activities in the Western Hemisphere after the war; and that, in the aircraft accessories industry, the German government made use of private commercial agreements to further its own interests and restrict American production.

The testimony was given the committee by Wendell Berge, Assistant Attorney-General in charge of the antitrust division; James S. Martin, chief of the department's economic warfare section; Sims Carter, assistant chief of the economic warfare section; and James B. Adams, expert in the section.

Commenting on the testimony received, Senator Harley Kilgore of West Virginia, chairman of the subcommittee, said that it is apparent from the evidence that, if we are effectively to disarm Germany and avert another World War, we must destroy Germany's potential for aggression by destroying the power of her cartel masters. The controls and structure of German industry at home must be recognized, he stated. The cartel masters must be brought to trial as war criminals, along with their nazi coconspirators, and finally, he added, the cartel system which they created for their own nefarious ends must be obliterated.

Pharmaceuticals Vested by APC

OPD Washington Bureau

The Alien Property Custodian, in vesting order 2041, has taken over a lot of pharmaceutical chemicals (some in dosage forms) as property of the Chinoin Chemical & Pharmaceutical Works Company, a Hungarian concern. Some of the items were in bonded warehouse; others were in the possession of Campbell Products, Inc., New York.

The materials vested comprise beta-mercurial acid estradiol carboethoxylate, estradiol propionate, homatropine, mercupurin, mercurin, novatropine, progesterone, and theophyllin.

Gets Priestley Medal

Dr. James Bryant Conant, president of Harvard University, received the Priestley Medal, highest honor of the American Chemical Society, at a general meeting of the society held in New York last week. Dr. Conant, who is chairman of the National Defense Research Committee, was honored for distinguished service to science and to the nation.

Universal Oil Ownership Donated to A.C.S.

Ownership of the Universal Oil Products Company, Chicago, one of the leading research and development companies of the country, will pass to the American Chemical Society under the terms of a gift announced by Dr. Thomas Midgley, jr., president of the society.

The value of the Universal Oil Products Company is estimated at from $10,000,000 to $15,000,000. Dr. Midgley said in addressing the members of the society at their annual dinner at the Waldorf-Astoria September 13. The income, which will be used for research under the direction of the society, will be approximately $1,000,000 a year, according to Dr. Midgley.

Fertilizer Production Planned For U.S. Nitrogen Plants

OPD Washington Bureau

Recommendations of a postwar planning group of the Department of Agriculture that approximately 40 percent of the total rated nitrogen-producing capacity of existing government plants be converted to the production of granular nitrogen fertilizer, ammonia, and ammonia derivatives to meet postwar requirements of agriculture and manufacturing industry, were made public September 13 by Secretary of Agriculture Claude A. Wickard.

The group made no recommendation as to whether government or private industry should operate the plants after the war, but said that all other government nitrogen-producing plants should be maintained in a standby condition as part of the military establishment, and in this state they should be available to meet unanticipated demands for fixed nitrogen by agriculture or industry.

The group based its estimates of requirements on assumptions as to national and farm income, nitrogen fertilizer prices, and soil and crop needs. Under relatively unfavorable conditions, fertilizer nitrogen consumption is estimated at 500,000 tons N; under favorable conditions, 750,000 tons N; and under the most favorable conditions 900,000 tons N. Industrial consumption is assumed to range, according to conditions, between 175,000 tons and 300,000 tons N. So, in addition to certain synthetic production, substantial imports of natural Chilean nitrate of soda and of other nitrogenous fertilizer, will be necessary, it was stated.

Ammonium Nitrate Favored

Pointing to an immediate demand for more granular nitrogen, the group also recommended that some of the government ammonia plants be equipped to produce such fertilizers—ammonium nitrate is emphasized—by modern methods. While this would require substantial capital investment, it was stated, it would permit the production of improved granular fertilizer at costs lower than those now incurred in making granular nitrogen from surplus ammonia. Installing this equipment, it was added, would not interfere with military use of the plants, but, on the other hand, would permit the best use of surplus ammonia now and would be the first step in converting the plants to meet expected postwar demands.

The proposed conversion of about 40 percent of the government plants' capacity to production for civilian requirements would give the country a

—*Continued on page 38*

Culpepper Rejoins Synthetic Nitrogen Corp.

Joseph E. Culpepper has rejoined the Synthetic Nitrogen Products Corporation, New York. He will head up the company's expanding activities in the field, both in sales and agricultural promotion. He will work out of Charlotte, N. C.

Joseph E. Culpepper

For the past ten years Mr. Culpepper has been employed by the American Cyanamid Company in the Delta area of Mississippi, Louisiana and Arkansas. He has served the Cyanamid company as district manager for several years, with headquarters in Little Rock, Ark.

Insecticide, Fungicide Makers Discuss Supplies and Postwar

Discussion of the supply outlook for chemicals for pest control work in the 1944-45 season, together with a discussion of postwar plans, featured the eleventh annual meeting of the Agricultural Insecticide and Fungicide Association, held at Spring Lake, N. J., September 6 and 7. Officers and directors were re-elected.

The WPB reconversion plan for agricultural chemicals are in an advanced stage, John A. Rodda, chief of the insecticides and fungicides unit of the Chemicals Bureau of the War Production Board said. Stockpiling requirements were being revised, Mr. Rodda said, and all conservation orders pertaining to agricultural chemicals were being reviewed for the purpose of eliminating the control, if possible, upon the collapse of Germany. The general rule on all spray and dust materials under WPB control, Mr. Rodda added, was that materials will be removed from allocation as quickly as supplies exceed requirements. In reviewing the supply situation for 1944-45 season, Mr. Rodda said:—

Arsenic will be available in adequate supply for the 44-45 season, though the quality of raw material may not be the most desirable. The outlook for copper sulphate is comfortable. Progress in the Pacific will largely determine the speed with which restrictions on rotenone can be removed, and no one knows the status of derris plantations in British Malaya. Similarly with pyrethrum; in fact the military demand for pyrethrum for aerosol will probably increase because of the greater concentration of allied manpower in the Pacific.

Rotenone Situation

The South American rotenone situation may improve 20 to 25 percent during the season, Mr. Rodda said, but he felt that the Pacific war requirements may demand greater shipping capacity and therefore the anticipated improvement would have little if any effect on the domestic outlook.

Nicotine Program

A definite program for the world distribution of nicotine supplies is now being formulated by a WPB-FEA task committee. A definite decision as to volume and specific allotments was expected to be reached sometime this month, Mr. Rodda indicated.

Technical Aspects

In a report of the technical committee of the association, Dr. Alfred Weed of John Powell & Co., New York, as chairman of the committee proposed that the association should prepare a worthwhile review of the research literature. Dr. Weed urged that a sub-committee formulate re-

—*Continued on page 41*

Rocky Mt. Experiment Station Head Appointed

OPD Washington Bureau

Dr. William G. McGinnies, for the past two years in charge of research and land selection for the guayule Emergency Rubber Project at Salinas, Calif., has been named director of the Rocky Mountain Forest and Range Experiment Station at Fort Collins, Colo. He succeeds Charles A. Connaughton, who was named director of the Southern Forest Experiment Station at New Orleans, La., recently.

Dr. McGinnies was graduated from the University of Arizona in 1922 with a B. S. in biology, and took his Ph.D. in ecology at the University of Chicago in 1932. He began his career in the Forest Service in 1917.

Moyer Quits WPB Post As Chemical Consultant

OPD Washington Bureau

Warren H. Moyer, consultant to the Chemicals Bureau of the War Production Board in the field of organic chemicals, has severed all connections with the bureau to devote his time fully with the Chipman Chemical Company, Bound Brook, N. J. Mr. Moyer has been a consultant to the bureau since June, 1943, when he resigned as chief of the insecticides and fungicides unit to go with the Chipman company. He first became connected with the WPB in May, 1942.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Sept. 15, 1944	Sept. 8, 1944	Sept. 17, 1943
136.6	**136.7**	**137.7**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

There was very little, if anything, to affect the price situation last week in the markets for chemicals, oils, and drugs. The major influence at work was the customary shuffling of quotations in the botanical divisions. These resulted in a net subsiding, and the price level of the markets as a whole was pushed down as much as it had been elevated, largely by the same cause, in the preceding week.

Reconversion continued to be at least 75 percent talk. Supplies of many chemicals and the like are being switched off from war production. But, the manpower, and sometimes the equipment, required to utilize these in making civilian goods is not available.

Bids Wanted

Acetic Acid, Glacial:—44,800 pounds, Chief, Procurement and Price Support Branch, Office of Distribution, War Food Administration, Washington (25); announcement Awd-211, opening September 20.

Alcohol, Ethyl:—162 wine gallons, Purchasing Agent, District Government, Washington (4); schedule 5998, opening September 20.

Alum, Ammonium:—550 pounds, Purchasing Agent, Government Printing Office, Washington (25); opening September 18.

Chrome Yellow:—15,000 pounds, Purchasing Agent, Bureau of Engraving and Printing, Washington (25); invitation BEP-191, opening September 19.

Fuel Oil:—3,025,000 gallons, as required during the period October 1, 1944, to September 30, 1945, Chief, Purchase Division, Treasury Department, Procurement Division, Washington (25); invitation 8378-FO9, opening September 16.

Margarin:—2,080 pounds, Chief Clerk, Justice-Prisons, Federal Correctional Institution, Milan, Mich.; invitation 16-2658, opening September 18.

Oils:—Supplies of, Treasury Department, Procurement Division, San Francisco (2) Calif.; invitation SF-1218-45, opening September 19.

Shortening:—730,000 pounds, Procurement and Price Support Branch, Office of Distribution, War Food Administration, Washington (25); Announcement Awd-210, invitation September 18.

Soap, Chip:—8,000 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7481, opening September 28.

Soap Powder:—60,000 pounds, General Purchasing Office, the Panama Canal, Washington (25); schedule 7481, opening September 28.

Trisodium Phosphate:—30,000 pounds, General Purchasing Officer, the Panama Canal, Washington (25); schedule 7481, opening September 28.

DuPont Pigments Dep't Headed by John Daley

The appointment of John F. Daley as general manager of the pigments department, has been announced by E. I. du Pont de Nemours & Co., Wilmington. Mr. Daley succeeds the late Carl H. Rupprecht. Mr. Daley, who is forty-nine, has been director of sales of pigments department since 1942 and recently has been acting assistant general manager. From October, 1942, until last June he was on leave of absence as deputy field director of ammunition plants in the Office of the Chief of Ordnance, with headquarters in St. Louis.

Ester Gum Ceiled

Price increases at all sales levels for ester gum, containing gum resins, to meet increased costs, were announced September 17 by OPA. The action is effective September 21.

The maximum price for ester gum with resin content, consisting wholly of gum resin, is established at $0.1125, delivered at buyer's place of business. The new maximum price of ester gum with a resin content consisting of gum resin and wood resin is a price per pound delivered at buyer's place of business equal to a weighted average of $0.1125 and $0.095, weighted according to percentages by weight of gum resins and wood resins contained in the total resin content.

Surplus Disposal Plan Rapped by Clayton

OPD Washington Bureau

Will C. Clayton has informed War Mobilization Director James F. Byrnes that he will not be a candidate for reappointment as Surplus War Property Administrator after the pending disposal bill is passed by Congress, regardless of what form the bill will finally take.

His decision, Mr. Clayton said, was based on his conviction, growing out of the senate hearings and debates on the legislation, that the surplus property disposal program "is no longer to be conducted in a businesslike manner." He expressed strong criticism of the conference agreement placing responsibility for the disposal program in a four-man board and an administrator "with no clear definition of their respective jurisdictions."

Obituaries

Dwight L. Armstrong

Dwight Luden Armstrong, vice-president of the Armstrong Cork Company, died in Lancaster, Pa. He was fifty years of age.

Mr. Armstrong, son of the late Charles G. Armstrong, was graduated from the Hill School in Pottstown, Pa., and Yale University. He served as an ensign in the Navy during World War I. Surviving are his wife, two daughters, a son and a brother.

Louis H. Benner

Louis H. Benner, general traffic manager for the Socony-Vacuum Oil Company, New York, died last week. He was sixty years of age.

Mr. Benner a native of Cincinnati has been identified with the oil industry since 1907 when he joined the Standard Oil Company of Kentucky. In 1911 he joined the Standard Oil Company of New York.

John A. Brown

John A. Brown, president of the Socony-Vacuum Oil Company, New York, died in Montreal September 9. He was fifty-nine years of age.

Mr. Brown made his start in the oil business in California in 1911. In 1918 he went to Mexico as assistant manager for the Standard Oil Company of New Jersey, and was manager of that company's business in Mexico from 1919 until 1926, when he went to the Dutch East Indies to assume charge of the New Jersey company's operations there. In 1928 he returned to the United States and resigned his connection with the New Jersey company to become vice-president of the General Petroleum Corporation, and in 1930 he became president of General Petroleum. In 1933 he was made president of the Socony-Vacuum Oil Company.

Carl H. Rupprecht

Carl H. Rupprecht, general manager of the pigments department of E. I. du Pont de Nemours & Co., Wilmington, died September 10, in East Orange, N. J., after an illness of several months. He was fifty-seven years old.

Mr. Rupprecht, a native New Yorker, was first associated with the Fred L. Lavanburg Company in New York, manufacturers of dry colors, starting in the plant, and becoming eventually assistant sales director. Later he spent three years as a salesman and assistant to the sales executive of George Lueders, color manufacturer, New York.

He joined the du Pont company December 1, 1919, in the lithopone, dry color and pigments division of the sales department in Chicago. He was appointed sales manager in Chicago in 1920, district sales manager in Chicago in 1921, and general sales manager in Wilmington on March 1, 1924. His offices were moved to Newark, N. J., later that year.

Du Pont acquired the Grasselli Chemical Company in 1928 and Mr. Rupprecht was transferred to Cleveland as sales manager of its pigments division in January, 1929. He became manager of what was then the du Pont company pigments division in July, 1930, with headquarters at Newark.

In 1931 the titanium pigments busi-

—*Continued on page 53*

Explosives Shipping Rules Revised by ICC

OPD Washington Bureau

A number of changes in its regulations on the transportation of explosives has been approved by the Interstate Commerce Commission under an order dated September 7 and just made public, the most important of which now permits the shipment of paranitraniline in 21A specification fiber drums of a gross weight of 400 pounds.

Among other changes in the regulation was the addition of DDT to the class "B" poisons, thus making this insecticide subject to the regulations covering such poisons; and the classification of other chemicals as follows:—

Calcium resinate as an oxidizing material; iron or steel rust preventing or removing compounds, anhydrous difluorophosphoric acid, and monofluorophosphoric acid as corrosive liquids.

Paragraph (f) of section 113 of the order of July 14, 1942, relating to exemptions of paints from certain of the packaging regulations was amended to read as follows:—

(f) Paint, enamel, lacquer, stain, shellac, varnish, aluminum, bronze, gold, wood filler, liquid, and lacquer base liquid and thinning, reducing and removing compounds therefore, and driers, liquid, therefore, in glass or earthenware contains of not over 1 quart capacity each, or metal containers of not over 5 gallons capacity each, packed in strong outside containers are exempt from specification packaging, marking, and labeling requirements for transportation by rail freight and highway. When offered for transportation by rail express such shipments are exempt from specification packaging requirements but must be marked with name of contents and bear the red label as prescribed in section 404 (e). When offered for transportation by carrier by water such shipments are exempt from specification packaging, marking other than name of contents, and labeling requirements. When fiberboard box is used for such shipments by rail freight, rail express, highway, or water, gross weight must not exceed 65 pounds. (Paragraph (f) (1) is not cancelled thereby).

Paragraphs (c) and (d) and the notes thereto of section 212A of the order March 29, 1944, relating to the packing of urea peroxide were amended.

WPB Operating System Streamlined by Krug

OPD Washington Bureau

Under the reorganization of the War Production Board now under way, the agency will be reduced considerably in size, and it will be run by a three-man group, with J. A. Krug as the acting head; A. H. Bunker, as chief of staff, and Hiland G. Batcheller as chief of operations. Mr. Krug describes the changes as a "reforming of our lines" to streamline the agency's functions to deal with reconversion, rather than a reorganization.

Mr. Krug outlines the new system as follows:—

Mr. Bunker, Mr. Batcheller, and myself will function as a team with the vice-chairman. No hard-and-fast lines are being drawn between the two appointments, but, in general, Mr. Bunker will handle policy matters for men, and Mr. Batcheller will handle operations matters. I shall be chairman of the production executive committee, and Mr. Bunker will continue as vice-chairman, as well as director of the staff of the production executive committee which is handling the cutback problem.

Mr. Bunker directed the preparation of the reconversion plan which was recently unanimously approved by the entire War Production Board, representing the army and the navy and other war agencies, and he will continue to be intimately concerned with the development of this plan. Mr. Batcheller will have a most important function in this connection, because he will have supervision of the industry advisory committees which represent the business management, through which WPB will cooperate with American industry.

Jack Dreyer, son of J. J. Dreyer, manager of the New Jersey Wholesale Drug Company, Newark, has been reported by the War Department to be missing on a training flight.

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Cottonseed and Other Meals Put Under New OPA Ruling

Cottonseed meal and several minor protein meals are included in a new master regulation covering sales of certain feeds and feed ingredients issued by OPA September 17. No changes were made in the current base prices, but in the case of cottonseed meal minor changes were made in markup sales of l.c.l. lots.

The minor meals covered in the comprehensive regulation are babassu, ouricuri, palmkernel, copra, and sesame. It is expected that supplements covering soybean meal, peanut meal, and linseed meal will be issued shortly.

Live Hogs Ceiling Unchanged to June, 1945

Price ceilings on live hogs will not be reduced from prevailing levels prior to June 30, 1945, it was announced by WFA and OPA. Present ceiling for live hogs, 240 pounds or less, is $14.75, Chicago basis, and $14 for hogs 240 pounds or more. WFA also stated that the support price of $12.50 on 200-240 pound hogs would be continued until June 30, 1945.

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Alcohol Allotments For Industry Increased

OPD Washington Bureau

An increase of 25 percent in the amount of ethyl alcohol used in the manufacture of drugs, pharmaceuticals, toiletries and cosmetics and a host of other products is to be allowed for the fourth quarter of this year by the War Production Board, it was announced September 14 following a meeting of the Chemicals Bureau with the Industrial Alcohol Producers Industry Advisory Committee.

In addition to those named, the 25 percent increase in alcohol allotments also will be made for adhesives, agricultural poisons, embalming fluids, photographic and photo engraving materials, candy glazes, cleaning and polishing preparations other than those used for shoes and floors, shellacs and shellac substitutes, antiseptics and mouth washes, vinegar and flavoring extracts.

Officials said that the forms which have already been filed for the fourth quarter under the alcohol order M-30 will be adjusted by the analyst before the allocation. In addition, producers will be instructed to accept certifications from users increased by 25 percent from those who buy on certificate.

Purchasers of pure or specially denatured alcohol under the small order exemption will be allowed an extra drum, making a total allowable under the clause of 216 gallons for the quarter. However, there will be no change in the small order amounts of completely denatured alcohol and proprietary solvent allowed since this group was increased last Spring.

In instances where the 25 percent increase does not permit an economical package, officials said, buyers will be expected to take the next lowest amount that does permit such purchase or to accept the uneconomical package.

It was explained that the increase permitted for the fourth quarter does

Continued on page 54

Dyestuffs Export Rules Modified by WPB

OPD Washington Bureau

Restrictions pertaining to the use of dyestuffs and organic pigments exported from the United States to Canada have been modified in an amendment to conservation order M-103, the War Production Board has reported. The amendment merely eliminates restrictions over the use of dyestuffs by Canadian consumers. It does not affect the distribution of dyestuffs to Canada or the distribution or consumer use of dyestuffs within the United States which still remains under control.

The authorization paragraph (e) has been revised to clarify the granting of authority to purchase additional quantities of dyestuffs to implement orders, directions or approved programs of WPB. Grants will be made with due consideration to the way in which domestic consumers are utilizing their present quotas of dyestuffs, officials said.

The term "producer" is redefined to mean any person in the United States engaged in the production of organic coloring matter.

Lenth Resigns WFA Soap, Glycerin Post

OPD Washington Bureau

Dr. C. W. Lenth has resigned as chief of the soap and glycerin section of the Fats and Oils Branch of War Food Administration and has been succeeded by W. A. McConologue, who has been chief of the glycerin unit. The resignation of Dr. Lenth and appointment of Mr. McConologue took effect September 9.

Mr. McConologue first became connected with the government in November, 1942, when he left the industrial division of Colgate-Palmolive-Peet Company to become associated with the soap and glycerin section of the War Production Board which later was transferred to the War Food Administration under the executive order placing control over all foods in the latter agency.

Dr. Lenth had been with the government since April, 1942, working on fats and oils problems, first with the WPB and later with the WFA. He has returned to Chicago to be a consultant on soaps and glycerin problems.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The public will know in a few days whether or not the administration plans to let its hold-the-line program slip a bit and provide labor with a larger take-home pay envelope. The predictions are freely made that this is in the cards through a revision of the Little Steel formula now under study by the War Labor Board.

Labor claims that living costs have risen to such an extent that workers cannot maintain decent living standards unless given higher basic rates of pay. But the records show that industrial wages have increased from $53,000,000,000 in 1941 to $80,000,000,000 in 1943, and that the savings of the workers have risen to unprecedented levels, which of itself should throw some doubts on labor's claims.

If the Little Steel formula is revised, it will be the signal for all labor to come in and ask for higher rates of pay. When that occurs, it will follow that the farmers will increase their demands for higher prices, and OPA will be forced to give here and there on its industrial price ceilings. The unorganized white-collar worker whose only fruits from the war has been misery is again caught in the middle.

Reconversion Exaggerated

Brig.-Gen. Browning, who does all the buying for the Army Service Forces, hence is in a position to know the facts, says that the magnitude of the reconversion and unemployment problem has been greatly exaggerated and that all that industry needs to begin producing the products that civilians want immediately is the materials with which to work. Less than 20 percent of industry, in terms of employment, ever converted their plants in the first place.

There is no reconversion problem facing the textile industry. It did not tear out machines and put in new ones to produce airplane parts. It has continued to make textiles, for both civilian and military use, and all they need to do is in some cases change the type of materials and go right on producing for civilian markets. And the same can be said for the garment industry, the paper industry, the furniture, industry, sparkplugs, paints, drugs, glass, steel, tires, and a host of other groups.

Of course, some factories will have a reconversion problem, such as the automobile industry, washing machine producers, and some branches of the electrical goods industry. The man who has a reconversion problem has a serious one, but by and large, American industry can start production of civilian goods almost immediately after termination of contracts.

Fertilizer Improvement

An expansion of fertilizer production is to be expected in the years after the war as a result of the lessons learned during the war from the use of fertilizer to expand food production. Dr. R. O. E. Davis, in charge of fertilizer research in the Department of Agriculture, estimates that the plantfood in the fertilizers used this year will total about 650,000 tons of nitrogen, 1,380,000 tons of phosphoric acid, and 610,000 tons of potash, representing increases of about 43 percent, 38 percent, and 33 percent respectively over 1941.

Dr. Davis says that plans are already under way which look to increased use of fertilizers in helping to meet food and clothing needs of the world at peace and after the war, farmers will have better opportunities to use improved fertilizers and to use them efficiently by reason of the fact that the activities of the department in wartime have actually been a speeding up of its peacetime program. Benefits from the accumulated results of research should be greater than farmers have ever enjoyed, he states.

Paper Saving Works

Reports to WPB indicate that its campaign to save 1,000,000 tons of paper this year by voluntary conservation on the part of users is meeting with considerable success. Fifty-five thousand chain and independent drug stores and 10,000 variety stores are signing a pledge—through their own initiative—to conserve paper bags and wrapping paper, in addition to some 300,000 chain and independent food retailers who have already signed up.

WPB expects that one-fourth of the 1,000,000-ton savings goal will be attained through the cooperation of retail stores.

Chemicals at V-E Day

Users of chemicals and related products should not place too broad an interpretation on all the official pronouncements that, as soon as V-E Day (that's a new symbol being used by the government, meaning Victory in Europe) arrives, the wraps are going to be taken off the distribution of all chemicals that seem to be in easy supply.

A lot of the control orders are to be lifted; but a lot of them are not—that is, immediately. It must not be forgotten that the reason some chemicals will be in easier supply on V-E Day, after having been so tight earlier in the war, is that in the meantime the army and the navy have changed many of their specifications to call for smaller quantities of a chemical material in the endproduct. This was done to stretch supplies and not because the resulting endproduct would be better than that meeting the earlier specifications.

Alkyd resins, for example, probably will not be any freer after V-E Day than they are now. The army and the navy can be expected to go back to their old specifications on the use of these resins in protective coatings and take up any slack in military demand that might otherwise have resulted from the projected 40 percent cutback. And, too, the navy now has 65,000 ships to maintain, and these will take a lot of resinous paints.

Aluminum Too Abundant

WPB officials are encountering with aluminum their first experience of the headaches that are involved when the supply situation in a commodity changes from one of extreme shortage to one of abundance. Officials don't know where to turn to make use of all the aluminum now being produced. In spite of recent production curtailment orders, the output remains many times greater than in peacetime.

Officials are urging the use of more aluminum in all kinds of production; unless new uses for the material are found the supply will continue to exceed demands. The groups that are going to feel the encroachment of aluminum on their markets are the other metal industries, as might be expected. WPB spokesmen are suggesting everything from baby carriages to railroad boxcars as civilian products that can be satisfactorily made from aluminum.

So far, however, there has been no large increase in orders for aluminum for fabricating civilian products. This is owing to existing manpower controls, and consideration is being given to suggestions that producers of civilian goods be allowed to purchase aluminum for inventory now so that, when manpower controls, are eased they can jump right into production.

Textile Bags Are Easier

The first break in the darkness surrounding container supplies for the past two years is becoming noticeable. The textile bag situation is easing up to the point that WPB is now able to relax some of the restrictions on use, and consideration is being given by officials to the advisability of returning importation of raw jute fiber back to private hands.

Supplies of new burlap bags are such that WPB is permitting the use of these bags again by the chemical industry for packaging for export, and no restrictions whatever are to apply to surplus new military sandbags that might be available to the industry. These can be used to pack any prod-

—*Continued on page 41*

Exporters Pricing Revised by OPA

OPD Washington Bureau

Maximum pricing provisions on sales to exporters have been revised by the Office of Price Administration to permit the resumption of a pricing practice where it had been customarily followed prior to price control. This change, effective September 18, permits sellers to charge exporters higher prices than those charged comparable domestic purchasers, provide that this was their established practice prior to the extension of price control to their sales.

Heretofore, the export regulation has allowed only the addition over prices for domestic sales of the cost of extra packing, preparing, or otherwise servicing the commodity for shipment abroad or installing or servicing it after shipment abroad. These additions still may be made.

However, sellers under the General Maximum Price Regulation or similar "freeze" regulations have been able to continue their base period practice of charging higher prices to exporters than to other buyers. On the other hand, sellers whose ceilings were determined by specific dollar-and-cent or certain formula regulations were prevented from continuing their previous practice.

Before sellers can resume a former practice of charging exporters higher prices than domestic purchasers for a given commodity, specific approval must be obtained from OPA's National Office. Applications for such approval should be addressed to the Export-Import Price Branch, Office of Price Administration, Washington 25, D. C., and should fully explain the applicant's former practice, his customary differentials between his domestic prices and his prices to exporters, and the method of conducting his export business that justify the practice.

OPA said that approval will be granted applications where, and to the extent that, it is satisfactorily shown that the practice was in fact regularly established and that it is necessary to enable the seller to pay customary commissions pursuant to exclusive agency agreements, to effectuate foreign price maintenance policies.

Wattle and Myrobalans Hit by Antitrust Suit

The government's civil action against the quebracho industry, now before the United States District Court for the Southern District of New York, has been broadened to include charges of antitrust law violations by the same defendants in the distribution of wattle bark and extract and myrobalans.

In a bill of particulars filed in connection with the charges of a cartel in quebracho, the government claims that the Forestal Land, Timber & Railways, Ltd., has, since 1935, dominated and controlled a pool or cartel in wattle which has restrained its importation into the United States. The bill further states that the pool has fixed high and excessive prices for the bark and extract imported into the United States in order to restrain competition in sale and marketing between quebracho and wattle.

Both International Products Corporation and the Tannin Products Corporation are alleged by the government to be the exclusive selling agents for wattle and to have dominated its sale and distribution in the United States for years. Similar allegations are made in the bill with respect to myrobalans.

Tanning Extracts Prices Discussed by OPA Group

Prices and other problems confronting the industry were discussed at the initial meeting of the Committee of Industrial Advisers for Imported Vegetable Tanning Extracts at the Office of Price Administration in the Empire State building, New York, September 13.

Members of the advisory committee, recently appointed by OPA, are:—

P. R. MacKinney, president of the American Dyewood Company; G. M. Hodson, vice-president of the International Products Corporation; C. J. Vermilye, president of the Vermilye Company; Joseph Barkey, president of Joseph Barkey & Co.; Lunsford P. Yandell, resident manager for the Tannin Products Export Corporation.

What's New at NYQ

"At NYQ plant—One of the many recent installations important in control of purity. Air conditioned equipment protects the product while manufactured, improves quality and has increased production and speed of deliveries."

To meet the tremendous demands for N.Y.Q. products created by war needs, the facilities of N.Y.Q. have been expanded enormously. A large percentage of our production goes to our armed forces. We are doing, and shall continue to do our best, to supply as much N.Y.Q. material to normal consumer channels, as the exigencies of war will permit. And when peace comes, our friends in the trade will find the expanded facilities of N.Y.Q. an added guarantee of the reliability of N.Y.Q. products and service.

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Surplus Chemicals Offered

The Defense Supplies Corporation is offering another collection of various chemicals declared surplus at military locations. These are offered for sale f.o.b. rail or truck at the indicated point of storage. Offers should be submitted in writing to DFC, 811 Vermont avenue, N. W., Washington 25.

DFC reserves the right to withdraw all or any part of the items listed or to reject any offer in whole or in part.

The chemical materials and preparations offered at this time are as follows:—

Alumina, activated—4,080 lbs., Edgewood Arsenal, Md.

Aluminum oxide, tech.—700 lbs., Edgewood Arsenal, Md.

Amidol (photographic)—9,147 lbs., New York.

1-Amino-2-naphthol-4-sulphonic acid—300 25 gm. bottles, Denver.

Boric acid powder—100 lbs., Camp Polk, La.

Butyric acid—1,720 lbs., Memphis; 3,179 lbs., Ogden, Utah; 3,870 lbs. and 32 qts., Atlanta; 1,107 lbs., Edgewood Arsenal, Md.; 2,188 lbs., San Antonio, Texas.

Hydrobromic acid, pur., 34%—200 lbs., Denver.

Hydrochloric acid—10,000 lbs. ACS and 2,400 lbs. tech., Denver.

Nitric Acid, CP—3,450 lbs., Edgewood Arsenal, Md.

Nitric Acid, tech.—13,200 lbs., Topeka, Kans.

Oxalic acid, tech., cryst.—5,000 lbs., Denver.

Phosphoric acid, tech.—250 gals., Atlanta.

Phosphotungstic acid—750 ozs., Denver; 150 ozs., Atlanta.

Pyrogallic acid, CP anal. crystals—500 ozs., Denver.

Salicylic acid, CP—3,528 lbs., Memphis.

Sulphosalicylic acid, CP—375 lbs., Denver.

Sulphuric acid, ACS—8,265 lbs., Denver.

Phenolamine, alkylated, tertiary—6,053 gals., Alameda, Cal.; 551 gals., Corpus Christi, Texas.

Ammonium chloride, 93.3-99%—804 lbs., Edgewood Arsenal, Md.

Arsenic trichloride—860.6 tons, Pine Bluff Arsenal, Ark.; 564.623 lbs., Denver; 142,000 lbs., Ft. Valley, Ga.; 20,000 lbs., Edgewood Arsenal, Md.

Barium carbonate, tech., powd.—300 lbs., Atlanta.

Barium peroxide—100,800 lbs., New Brighton, Minn.

Benzidine—13 lbs. and 4,000 grams, Edgewood Arsenal, Md.

Bleaching powder, grade A—6,720 lbs., Oakland, Cal.

Bleaching powder, grade B—18,830 lbs., Huntsville, Ala.; 133,700 lbs., Edgewood Arsenal, Md.; 248,920 lbs., New Cumberland ASF Depot, Pa.; 315,600 lbs., San Antonio, Texas; 223,704 lbs., Utah ASF Depot, Ogden, Utah.

Bleaching powder, grade C—1,576,900 lbs., Huntsville, Ala.; 449,500 lbs., Edgewood Arsenal, Md.; 125,900 lbs., New Cumberland ASF Depot, Pa.; 920,980 lbs., Huntsville, Ala.; 434,610 lbs., Utah ASF Depot, Ogden, Utah.

Bleaching Powder, grade 1—184,420 lbs., Atlanta ASF Depot, Ga.

Bleaching powder, grade 2—1,316,200 lbs., Atlanta ASF Depot, Ga.; 1,069,970 lbs., Memphis, Tenn.

Bleaching powder, grade 3—14,300 lbs., Edgewood Arsenal, Md.

Calcium chloride, flake—600 lbs., Jacksonville, Ill.

Calcium cyanide—260 lbs., Atlanta.

Calcium silicide—48,000 lbs., Edgewood Arsenal, Md.

Carbontetrachloride—845 lbs., Hobbs, N. M.

Charcoal—355,909 lbs., Lawrence, Mass.

Chloramine T—130 lbs., Ft. Worth, Texas.

Chlorine—52,551 lbs., Tooele, Utah.

Chlorocosane, tech.—1,755 lbs., Edgewood Arsenal, Md.

Chloroform, tech.—117 ½-pts., Atlanta.

Dichloramine B—10,000 lbs., Newark, N. J.

Dichloramine T—143,700 lbs., CWS Warehouse, Chicago; 965 lbs., Batavia, Ill.; 1,080 lbs., East St. Louis, Ill.; 13,000 lbs., Newark, N. J.

Dichloramine T (in triacetin)—65 pts., Camp Carson, Col.

Diethyleneglycol—744 gal.—Denver; 8,808 gal., Memphis.

Dinitrobenzene—31½ lbs., Edgewood Arsenal, Md.

Dinitronaphthalene—150 lbs., Edgewood Arsenal, Md.

Dinitrophenol—290 lbs., Edgewood Arsenol, Md.

Dinitrotoluene—174 lbs., Edgewood Arsenal, Md.

Dyes—850 lbs. cotton blue and 2,143 lbs. wool blue-black, Ft. Riley, Kans.; 500 lbs. cotton dark-blue, Hereford, Texas; 450 lbs. wool dark-blue and 50 lbs. cotton dark-blue, Salt Lake City; 5,800 lbs. cotton dark-blue, Ogden; 500 lbs. cotton dark-blue and 498 lbs. wool dark-blue, Ft. Worth, Texas; 3,896 lbs. blue-indigo, Huntsville, Ala.; 333 lbs. dark-blue wool, San Francisco; 990 lbs. dark-blue cotton and 1,000 lbs. dark-blue wool, San Luis Obispo, Cal.

Dye tuff mixture—300 lbs. cotton dark-blue, Ft. Worth, Texas; 100 lbs. wool dark-blue and 100 lbs. cotton dark-blue, Tyler, Texas; 200 lbs. wool dark-blue and 500 lbs. cotton dark-blue, Paris, Texas; 1,200 lbs dark blue No. 2 and 1,220 lbs. dark-blue No. 1, Wichita Falls, Texas.

Dye wetting agent—1,100 lbs., San Luis Obispo, Cal.

Ethel ether, USP—866½ lbs., Edgewood Arsenal, Md.

Ether, grade A—13,029 qts., Memphis.

Ethylene bromide—4,000 grams, Edgewood Arsenal, Md.

Ethyleneglycol monoethylether—24,079 gal., Oakland, Cal.

Ferric Nitrate, CP—5,815 lbs., Edgewood Arsenal, Md.

Formaldehyde, 40%—1,765 qts., Chicago CWS Warehouse.

Formaldehyde, USP. 32%—343½ gals.—Edgewood Arsenal, Md.

Guaiacol, USP—48 lbs., Edgewood Arsenal, Md.

Iron, by hydrogen—1,700 lbs., Edgewood Arsenal, Md.

Isobutyl methracrylate—2,000 lbs., Edgewood Arsenal, Md.

Lead nitrate—880 lbs., Philadelphia.

Magnesium oxide, heavy, tech.—429 lbs., Edgewood Arsenal, Md.

Metatoluidin—11 lbs., Edgewood Arsenal, Md.

Naphtha, Aromatic, type 3—40,000 gals., Topeka, Kans.; 6,565 gals., Syracuse, N. Y.; 74,115 gals., South Bend, Ind.; 17,172 gals., Columbus, Ohio; 5,834 gals., Memphis.

Naphtha—53,000 gals., Oklahoma City.

Nitrocellulose—36,316 lbs., Ravenna Ord. Center Apco, Ohio.

Nitrocellulose rolls—529.5 lbs., Dallas.

Nitrocellulose Sheets—1,724,960 meters, Umatilla Ordnance Depot, Ordnance, Ore.; 311 lbs., Dallas.

Nitrocellulose strips—359 lbs., Dallas.

Paranitrophenol—53 lbs., Edgewood Arsenal, Md.

Potassium bichromate—35,762 lbs., South Bend, Ind.

Potassium metabisulphite, anhyd.—6,000 lbs., Topeka, Kans.; 17,800 lbs., South Bend, Ind.

Sal ammoniac—47 lbs., Jacksonville, Ill.

Sal soda—575 lbs., Camp Kohler, Cal.; 1,382 lbs., Gulfport, Miss.

Sodium bicarbonate—1,650 lbs., Detroit.

Sodium chloride, CP—825 lbs., Pine Bluff Arsenal, Ark.

Sodium chloride, tech.—3,675 lbs., Camp Polk, La.

Sodium hyposulphite, pea — 57,400 lbs., South Bend., Ind.; 11,550 lbs., Springfield, Ill.

Sodium iodide—90 lbs., Pine Bluff Arsenal, Ark.; 2,200 lbs. Denver.

Soda-lime, white—48,000 lbs., Edgewood Arsenal, Md.

Sodium oxalate—12,664 lbs., Wadsworth, Ohio; 98,500 lbs., Jacksonville, Ill.; 175,792 lbs., Detroit.

Sodium phosphate, dibasic—255,175 lbs., Joliet, Ill.

Sodium silicate, 60%—12,000 lbs., San Francisco.

Sodium silicate, tech.—504 lbs., Camp Polk, La.

Sodium sulphite—2,400 lbs., Edgewood Arsenal, Md.

Sulphur monochloride—1,670,000 lbs., Denver.

Xylene, ACS—300 lbs. Atlanta.

Zinc Chromate Compound—225 gal., Brooklyn.

WPB to Discontinue Redistribution Branch

OPD Washington Bureau

Closing down of the field offices of the WPB Redistribution Branch by September 30 and disbanding of the central office of the branch here by October 15 has been ordered by Acting Chairman J. A. Krug of the War Production Board as part of the general reorganization designed to limit WPB's functions after V-E Day to military and essential civilian operations.

It is the view of the top officials that, by and large, the supply situation on commodities generally has been eased to such a degree that the expense of maintaining the branch is no longer warranted. The particular problem now, it is further pointed out, is one of disposition of government surpluses, and in this field WPB has no function to perform, since this authority rests with the Surplus War Property Administration.

The job of the redistribution branch has been to bring users of commodities in contact with persons and firms which might have a surplus of a particular commodity that is not readily available in the ordinary channels of trade. Except for some chemicals and

—*Continued on page 54*

Industrial Applications of Chemicals and Related Materials

874th Instalment **("Where You Can Sell")**

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(Parenthetic figures are the numbers of patents in the United States or other countries; as designated)

Betanitrobetamethylbutyl Acetate

Adhesives—Solvent (U.S. 2233607) in adhesive compositions, containing nitrocellulose

Ceramic—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used as coatings for protecting and decorating ceramic products

Chemical—Solvent (U.S. 2233607) for nitrocellulose

Cosmetic—Solvent (U.S. 2233607) in nail enamels and lacquers, containing nitrocellulose as base material

Electrical—Solvent (U.S. 2233607) in insulating compositions, containing nitrocellulose, used for covering wire and in electrical machinery and equipment

Glass—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal Fabricating—Solvent (U. S. 2233607) in coating compositions, containing nitrocellulose, used for protecting and decorating metallic articles

Miscellaneous—Solvent (U. S. 2233607) in coating compositions, containing nitrocellulose, used for protecting and decorating articles of various compositions

Paint, Varnish, and Lacquer—Solvent (U.S. 2233607) in paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose

Paper—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic—Solvent (U.S. 2233607) in making films from nitrocellulose

Plastics—Solvent (U.S. 2233607) in making laminated fiber and molded articles; plastics from nitrocellulose

Resins—Solvent (U.S. 2233607) for resin-cellulose derivative solutions and other compositions

Rubber—Solvent (U.S. 2233607) in coating compositions, containing nitrocellulose, used for decorating and protecting rubber goods

Stone—Solvent (U.S. 2233607) in coating compositions, containing nitrocellulose, used for decorating and protecting artificial and natural stone

Textile—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used in the manufacture of coated fabrics

Wood—Solvent (U.S. 2233607) in compositions, containing nitrocellulose, used as protective and decorative coatings on woodwork; plastic compositions, containing nitrocellulose, used for many filling and repairing purposes on wood

Betatetrachloroketonaphthalene

Photographic—Phototropic agent (U.S. 2233429) for films.

N-Butylpyridinium Hypochlorite

Chemical—Claimed (U.S. 2256958 and 2256959) as source of substantial amount of available chlorine and to have valuable property of keeping well

2:2′-Dihydroxy-5:5′-dichlorodiphenylmethane

Disinfectant—Claimed to possess high germicidal powers and to be water-soluble

Disodium-Ethylene Bisdithiocarbamate

Insecticide and Fungicide—Said to exhibit great possibilities for use in place of copper fungicides for the control of many plant diseases, particularly apple scab, pear scab and other fruit diseases, as well as diseases of potatoes, tomatoes, celery, and other vegetable crops

Ethyl Gallate

Oils, Fats, and Waxes—Antioxidant (Brit. 542833) for fats, fatty acids, oils

Ethylgammachloroalpha-phenyl Hydrazobetaketobutyrate

Photographic—Grey-color former (Brit. 542149) in photographic emulsions (used in conjunction with organic developing agents, gives grey images suitable for fine-grain black-and-white pictures)

Heptylidene Dialphamethylacrylate

Resins—Claimed (Brit. 542642) as clear, hard, water-insoluble, somewhat brittle resin polymerizable with vinyl compounds

4-Hydroxy-3-isopropyldiphenyl

Disinfectant—Claimed (U.S. 2248401) as disinfectant

Miscellaneous—Claimed (U. S. 2248401) as preservative

Suggested as preservative for adhesives, albumin, blood, carbohydrates, casein, dextrin, flaxseed, glue and gelatin, gums, industrial pastes and sludges, inks, latex, leather, leather finishes, moss, paints and distempers, paper finishes and sizes and coatings, proteins, starch, sizes

8-Methyl-2:3′-diethylselenothiazolinocarbocyanin Iodide

Photographic—Sensitizing agent (U.S. 2233509, 2233510, and 2233511) for photographic emulsions

N-Phenyl-N′-para′-allyloxyphenylparaphenylenediamine

Chemcal—Startng pont (Brti. 542216 and 542217) in making antioxidants for fats and oils, insecticides, rubber

8-Sulpho-5-hydroxy-1:2′-nitro-4′-sulphophenyltetrahydroquinolin

Dye—Starting point (U.S. 2251922) in making orange dyes for cellulose acetate by condensing with chloranitrobenzene or chloronitronaphthalene compounds

Thionyl Chloride

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Chemical—Starting point in making organic acid chlorides and anhydrides; alkyl chlorides from corresponding alcohols

Trilaurylpyridinium Thiophosphite

Lubricant—Starting point (Brit. 457548) in making high-pressure and diemaking lubricants, boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

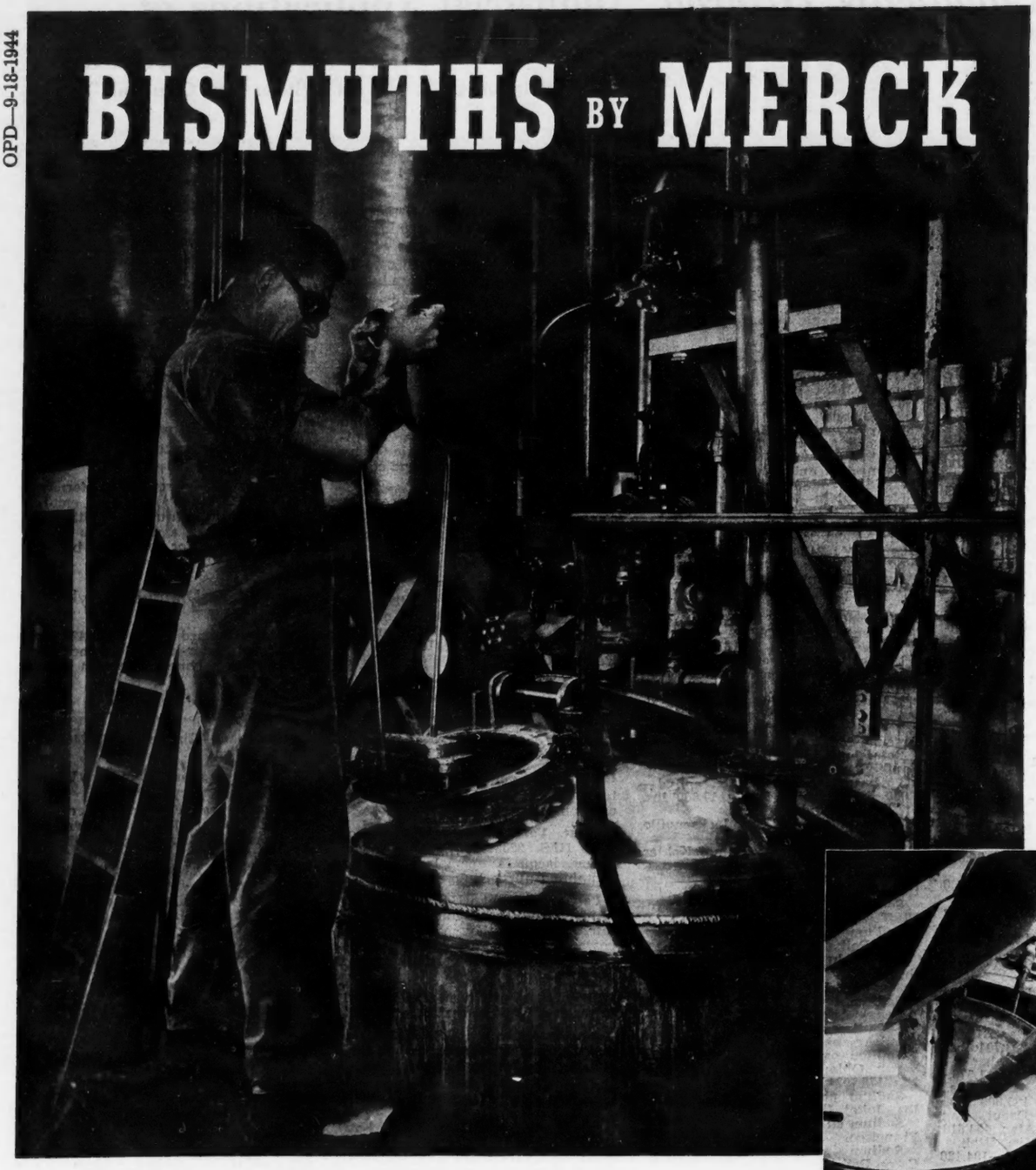
Zinc 2:2′-Dihydroxy-3:5:3′:5′-tetrabutyl(amyl)phenylsulphide

Lubricant—Inhibitor (U.S. 2249626) of corrosive and sludging effects by paraffinoid lubricating oils

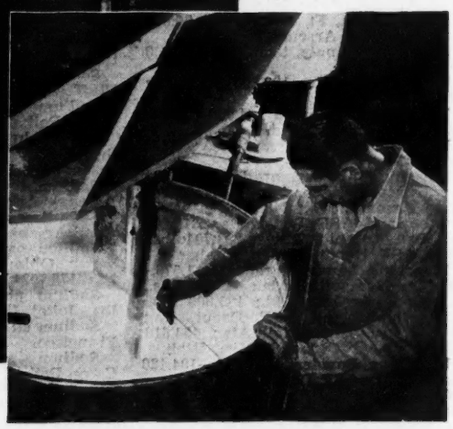
Data similar to those above on Uses and Applications of **5167** *Chemicals and Related Industrial Materials in one 665-page book* **$10**

OPD—9-18-1944

BISMUTHS BY MERCK



Two steps in the production of Merck Bismuth Products



Standardize

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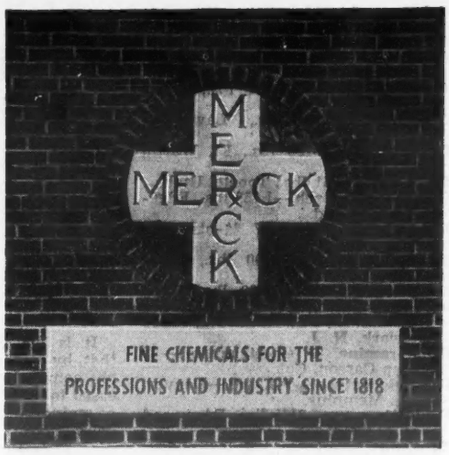
Subcarbonate

Subnitrate

Subgallate

Subsalicylate

and other Bismuth Salts



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Current Market Quotations Chemicals and Related Materials

September 15, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 98%, dms., 55 and 110 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70

tech., fib., dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29

USP, cryst., bbls.....lb. .36 - .37
dms.....lb. .42 - —
kgs.....lb. .37 - .38
powd., bbls.....lb. .34 - .35
dms.....lb. .38 - .40
kgs.....lb. .35 - .36

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1,6] dms., c.l., dlvd. E.*...lb. .08 - —
l.c.l., dlvd. E.*.....lb. .08½- —
tanks, dlvd. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, bbls., kgs., 1,000-lb. lots..1.00 - —

dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½-

Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, nat'l, bbls....100 lbs. 9.15 - 9.40
glacial, 99.5%, nat'l, bbls. 100 lbs. 9.15 - 9.40
tanks, works....100 lbs. 6.93 - 7.25
synth., bbls., works.... 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, cbys.....100 lbs.11.70 - —
dms., works.....100 lbs.10.50 -11.00
pure, 99%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis..lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .31 - —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1,6] USP, dms., 500-kilo lots..kilo.24.50 - —
30-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
2½-kilo lots.....kilo.25.70 - —
1-kilo lots.....kilo.26.41 - —
bots. 500-gram.....kilo.27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls. works. lb. .95 - —

Boric,[2] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broeners, hbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb.22.00 - —

Acid, camphoric, cns.....lb. 6.95 - 7.00

Capric, tech., ret. dms.....lb. .21½- .22

Caprylic, tech., ret. dms....lb. .27 - .27½

Castor oil,[3] split, ret, dms...lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —

Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .18¼

Cinnamic, refd, bots.....lb. 3.50 Nom.

Citric,[1,6] anhyd., gran., dms., 10,000 lbs., 1 ship't...lb. .22½- —
smaller lots.....lb. .23½- .26¼
kgs. .....lb. .24 - —
cryst., gran., bbls., c.l....lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots.....lb. .23 - .24
kgs. .....lb. .21½- —
Powd. citric acid, ½c. higher.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[1,6] dist., dms....lb. .15½- .17½

Corn oil, s.d., dms., c.l., works, lb. .12 - —

Cottonseed oil,[1,3] s.d., dms., c.l...lb. .12 - —
tanks, dlvd.....lb. .14¼- —

Cresylic,[2,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —

(Petroleum), heavy grade (247°-295°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal., ref....gal. .510 - —
Sewaren, N. J., reg..gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —

Diethylbarbituric (see Barbital).

F (see Acid, Monosulphonic).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11½

Fumaric, tech., bbls., dms...lb. .27 - .31

Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.13

Gamma, bbls.....lb. .85 - —

Gluconic, bbls., 500 lbs.....lb. .12 - —
dmjn.....lb. .21 - .28
kgs., 100 lbs.....lb. .14 - .15

Glutamic hydrochloric, dms..lb. 2.00 - 2.40

Glycolic (see Hydroxyacetic).

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57% bots.....lb. 2.90 - —

Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —

Hypophosphorous, USP, djns., lb. .75 - .80

Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more.. lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Lauric, dist., tech., dms.....lb. .20 - .20½

Laurent's, bbls.....lb. .45 - —

Linseed oil,[3] light, dms.....lb. .21½- .22

Maleic,[6] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —

Malic, powd., kgs.....lb. .26 - —

Mandelic, dms., 1,000-lb. lots.lb. .47 - —
smaller lots.....lb. 2.05 - —

Mixed, tanks, nitric unit.....lb. 2.10 - 2.30
sulphuric, unit.....lb. .05 - .06

Molybdic, kgs., works.....lb. .0085- .009

Monochloroacetic, tech., 85%, bbls..lb. .95 - 1.10

purified, bbls.....lb. .17 - —

Monosulphonic, bbls.....lb. .20 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24 works..100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —

22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —

CP, USP, consumers, cbys..lb. .08 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —

Myristic, dist., dms.....lb. No stocks

Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —

230-245 acidity, dms. extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —

Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —

Nicotinic amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 35, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —

38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —

40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —

42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —

CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots.....lb. .23 - —
dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —

Palm oil,[6] white, dist., dms..lb. No stocks
tanks .....lb. No stocks

Para-aminobenzoic, cns.....lb. 1.40 - —

Paranitrobenzoic, cns.....lb. .72 - —

Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —

Peanut oil,[1] s.d., tanks, dlvd., lb. .11¼- —

Phenylacetic, bots.....lb. 1.85 - 3.00

Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —

USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —

Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65

Pyroligneous, bbls., dlvd. E..gal. .90 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).

Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42

USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44

Sebacic, tech., dms., works..lb. .55 - .57

Soybean oil,[1,6] s.d., dms...lb. .16½- .18¼
tanks, works.....lb. .11 - —

Stearic,[1,6] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 up, works..100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —

66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —

98°, tanks, works.....ton.17.50 - —

CP, USP, consumers, cbys.lb. .68 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —

fuming, 20%, tanks, E. works, ton.19.50 - —

Tannic, tech., bbls., dms...lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Tobiac, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.20 - 1.25

Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —

cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae.[1,6] USP, anhyd., pharmaceutical, dms., l.c.l., works..lb. .30 - —
cosmetic, dms., l.c.l., works, lb. .31 - —

Adeps lanae prices for primary distributors, f.o.b. St. Louis, lc. higher.

Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd.....lb. 1.91 - 1.99
granular, cryst.....lb. 1.86 - 1.94
tech., cryst., bbls.....lb. 1.55 - 1.66

Alcohol, allyl, dms., c.l., dlvd..lb. .29 - —
l.c.l., dlvd.....lb. .30 - —

Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —

Benzyl, cns.....lb. .65 - .75
dms.....lb. .63 - —

Butyl, normal,[1,6] ferment., Ill., Ind., prod., dms., frt. alld. lb. .1980- —
l.c.l., frt. alld. E...lb. .2080- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E...lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00

Cinnamic, bots.....lb. 8.00 - —

Denatured,[1,3,6] CD14, dms., c.l., dlvd. E..gal. .54½- —
19 dms., works, E...gal. .56½- —
1 to 18 dms., works, E..gal. .59½- —
tanks, E., dlvd.....gal. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.

SD2B, bbls., c.l., wks., E..gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E., gal. .65 - —
tanks, E. works.....gal. .48 - —

SD23G (replaced by SD28H).

SD28H, works, c.l., bbls..gal. .61¼- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66¼- —
tanks, E. works.....gal. .49¼- —

SD29, denatured, with acetaldehyde, bbls., c.l., E. works, gal. .62½- —
l.c.l., 19 or more, E. works..gal. .65 - —
1 to 18, E. works..gal. .69 - —
tanks, E. works.....gal. .50¼- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .53½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60¼- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .11¾- .15
tanks, dlvd.....lb. .10¾- .13¼
tech., dms., c.l., dlvd.....lb. .11 - .13¼
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Ethyl[6], 190 pf., dms., c.l..gal.17.64½- —
19 dms.....gal.17.68 - —
1 to 18 dms.....gal.17.71 - —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.02 - —
18 dms.....gal.18.05½- —
1 to 17 dms.....gal.18.08½- —

Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - .35
tanks, works.....lb. .20 - —

Isoamyl (see Carbinol isobutyl).

Isobutyl,[6] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —

Isopropyl,[3,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .59 - —
l.c.l., dlvd.....gal. .63½- —
tanks, frt. alld.....gal. .54 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd....gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —

Methyl (see Methanol).

Octyl (see Alcohol, ethylhexyl).

Phenylethyl, bots., cns.....lb. 2.10 - 2.50

Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63

Propyl, normal, dms., wks..gal. .67 - .76

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - .50
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.50 Nom.
Algin, bbls., fib. dms.....lb. .79 - 1.50
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .18 - .18½
Larwdo, Tex., bgs.....lb. .17 - .17½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .65 - .80
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23½
Alphapinene, dms., c.l., wks.gal. .85½- —
l.c.l., works.....gal. .87½- —
tanks, works.....gal. .82½- —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bbls., works.....lb. .60 - .65
Alum, ammonia,[6] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Alum potash, chrome, bbls....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .40
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[6] com'l, dms., c.l., works..lb. .08 - .09
l.c.l., works.....lb. .09 - .13
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .09¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .06¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works.....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al_2O_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03½
ton lots, same basis..lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
Alumina hydroxide, powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15¼- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald.. 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works.. 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks., lb. .024 - .035
Aluminum, 98-99% [2,3,4], c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste,[2] lining, extra fine, 200-lb. dm..lb. .56 - .69
grade B, 250-lb. dm.....lb. .54 - —
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .58 - —
grade B, 250-lb. dms.....lb. .56 - —
powder,[2] lining, extra fine, 150-lb. dm..lb. .98 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
grade B, 275-lb. dm.....lb. .57 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., 250-lb. dm. lb. .56 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 2c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 10c. per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.13.50 - 14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots. .....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .16 - —
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld.lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms.....lb. .0539- .0614
Bicarbonate,[6] bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls, kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .08¼- .09¼
cns. .....lb. .14¾- .17¾
powdered 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Ammonia citrate, dibasic, bbls. lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.95 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] Canadian, fertilizer grade, 32.5 nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.48.00 - —
bulk, same basis.....ton.44.00 - —
tech., bgs., works....100 lbs. 4.35 - 5.50
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .31 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride, bbls...lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports..ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycolate, 100%, bbls....lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .17
l.c.l., dlvd.....lb. .13 - .17½
tanks, dlvd.....lb. .11½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works....lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .90 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, bots.....lb. 2.10 - 2.35
cans .....lb. 1.90 - 2.25
Angelica root, dom., bls.....lb. No prices
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .28½- .29
Bulgarian, bgs.....lb. .29 - .29½
Mexican, recleaned, bgs.....lb. .18½- .19
Syrian, bgs.....lb. .20½- .21
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 2.90 - 3.00
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08¼- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinine, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] bgs., ceramic grade, c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple syrup,[1] bbls.....lb. .16 - .16½
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots..oz.12.25 - —
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity.70.00 -72.00
Arnica flowers, bls.....lb. 2.45 - 2.50
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l....lb. No prices
Chloride (arsenous), bots....lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.48 - —
Sulphide, yellow, bbls.....lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .66
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talk, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines. ton.49.50 - —
5R, bgs., same basis.....ton.44.60 - —
6D, bgs., same basis.....ton.38.60 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton.30.50 - —
Barbados, Dunellen, N. J...lb. .10¼- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban A, bulk, c.l., N. Y....ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., f.o.l. refinery N. J. or Ill..lb. .06 - —
Asphaltum, gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.32.90 - —
290-295° F. fusing point, bgs., mines..ton.30.50 - —
270° F. fusing point, bgs., mines..ton.30.50 - —
seconds, 370-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
300-330° F. fusing point, not uniform, bgs., mines. ton.25.50 - —
jet, bgs., ton lots, gross weight Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz.15.00 - —
Sulphate, bots.....oz. 7.75 - 8.15

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. No stocks
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton73.00 - —
l.c.l., same basis....ton.78.00 - —
bbls., c.l., same basis..ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.63 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09½- .11
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works....lb. .06 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide)
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs .....lb. .12 - —
Barytes, floated, bbls., c.l., Louis., ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis..ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 — —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba So_4, bulk, mines..ton. 8.50 - —
Bauxite,[6] blk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .95 - 1.05
Root, bls.....lb. .90 - 1.00
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Bensyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .25 - .26
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .45 - .46
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns....lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62 - 66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. 22 - —
l.c.l., works.....lb. 28 - —
Black, acetylene,[2] bgs., c.l., works..lb. 11 - —
l.c.l., same basis.....lb. 12 - —
Bone 1A, bgs., bbls., c.l., same alld W..lb. 17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
Black, bone, 3, bgs., bbls., c.l., same basis..lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon,[2] heads, compressed, bgs., c.l., works..lb. .08550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l. works..lb. .08625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08¼- —
Lamp, 1, ctns., works.....lb. .06½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .12½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
Black, lamp, 6, ctns., c.l., works, lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .85 - .90
Tree bark, bls.....lb. .30 - .35
Black Indian hemp root, bls...lb. No stocks
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 2.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.58 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.58 - —
soluble, bgs., c.l., Chicago....lb. .13¾- —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .75 - 1.00
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis....lb. 3.00 - —
green shade, bbls., same basis..lb. 4.56 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis...lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .28 - .37
job grades, bbls., same basis, lb. .12 - .18
reg. grades, bbls., same basis, lb. .17 - .37
Victoria, toner,[1] molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
Blue, violet, tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Bluefiag root, bls.....lb. .55 - .75
Blue mass, NF, cns., bulb.....lb. 1.29 - 1.46
powd., bots., cns., dms.....lb. 1.32 - 1.46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.43.50 - —
Chicago, works.....ton.51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.38.50 - —
Chicago, works.....ton.37.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .15 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse..ton.56.00 - —
less ton lots, ex whse..ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse..ton.71.00 - —
Borax, tech., 99½%, powd., bgs., frt. alld...ton.60.00 - —
ton lots, ex whse...ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —

USP, $15 per ton higher.

OPD—9-18-1944

Acids

★

CITRIC

LACTIC

MALIC

PHOSPHORIC

TARTARIC

AND OTHERS

May we submit our list?

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Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works..lb. .03¾- .10¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works..lb. .08 - .10
Umber, American, bbls., wks. lb. .03¾- —
Italian type, bbls., works..lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —

Brown, umber, Turkey-type, bbls., l.c.l., f.o.b. Pittsburgh..lb. .05 - —
ex car, Los Angeles..lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles..lb. .05½- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .80 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .75 - .80
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R., lb. .1395- —
l.c.l., frt. same basis, lb. .1945- —
tanks, same basis.....lb. .1795- —
other production, dms., c.l., same basis..lb. .1960- —
l.c.l., same basis.....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .13¼- —
tanks, same basis.....lb. .10¾- —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —

Butyl, carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots. .....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[3,6] pat. shapes, cs., dlvd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots .....lb. 3.15 - 3.35
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots .....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots .....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37

Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
Bromide, jars .....lb. .65 - .70
Carbide,[1,6] dms., c.l., works, ton.50.00 - —
dlvd. .....ton.67.00 -65.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper, bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd..ton.21.50 -25.50
5-ton lots .....ton.26.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars..lb. .28 - .30
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -31.50
l.c.l., 15 tons, dlvd..ton.21.45 -25.45
5-ton lots .....ton.26.45 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs. .....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.30 - —
10-lb. lots .....lb.1.40 - —
cns., 25 lbs. .....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls. .....lb. .35 - .37
Laurate, bbls. .....lb. .28 - .29
Mandelate, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -16.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works.lb. .0685- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls. .....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 1.88 - 1.90
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .62 - —
1,000-lb. lots.....lb. .63 - —
smaller lots.....lb. .64 - —
Monobromate, dms.....lb. 3.10 - 3.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Canadian, Sept.-Oct., bgs..lb. .80 - .85
Morocco, dewhiskered, bgs...lb. .67 - .68
Spanish, dewhiskered, bgs...lb. .66 - .67
Syrian, dewhiskered, bgs....lb. .64 - .66
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .06
Tetrachloride,[1,6] c.p., dms., c.l., lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .97 - —
5 or 10-gal. dms., c.l., alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½ gal. dms., c.l.. gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

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Results with experimental animals indicate that a dietary deficiency of choline produces various pathological symptoms, including fatty and cirrhotic livers, hemorrhagic kidneys and bone deformities.

Other potential uses of choline are outlined, in detail, in Calco technical literature . . . which is available upon request.

Choline is offered by Calco in two forms: (1) CHOLINE CHLORIDE, which is the most commonly used salt of choline; and (2) CHOLINE DIHYDROGEN CITRATE, which is a more recently developed form developed by Calco for pharmaceutical use.

CHOLINE DIHYDROGEN CITRATE has a pleasantly acid taste and is somewhat less hygroscopic than the chloride, consequently it is more suitable for use in pharmaceutical preparations.

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Cinchophen N.F.
Neocinchophen U.S.P.
Sulfathiazole U.S.P. (and Sodium Monohydrate)
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Methylene Blue U.S.P. (Powder-Crystals)
Calcium Mandelate U.S.P.
Glutamic Acid HCL
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Cardamom,[1] bleached, bold, cs., lb. 1.18 - 1.25
medium, cs. lb. 1.08 - 1.15
decorticated, cs. lb. .80 - .82
green, bgs. lb. .60 - .62
Carotene, crystalline (alpha, 10%; beta, 90%), ampa, 100 grams, dlvd. gram 2.85 - —
50 grams, dlvd. gram 2.90 - —
Carvol, bots. lb. 22.50 -23.00
Cascara sagrada bark, bulk. lb. .30 - .31
Case hardening mixture, 30%, gran., dms., l.c.l. lb. .09¾- —
slabs, dms., l.c.l. lb. .09¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point. lb. .24 - —
20 to 99, same basis. lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis. lb. .25½- —
20 to 99, same basis. lb. .25¾- —
less than 20, same basis. lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more. lb. .18 - .18½
rennet-precip., unground, bgs., 100 bgs. or more. lb. .20½- .21
Cassia.[2] lb. No stocks
Cassia fistula, bkts. lb. .28 - .34
Castor beans, f.o.b. Brazilian ports. long ton 75.00 - —
Oil (see Oil, castor).
Pomace,[2] bgs., c.l., works. unit-ton 2.90 - —
Castoreum, nat., cns. lb. 12.50 -13.00
synth., bots. lb. 19.00 - —
Catechol, CP, crystal., works, fib. dms., tin. lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms. lb. 3.50 - —
Catnep, bls. lb. .33 - .35
Celery seed,[1] Indian, bgs. lb. .18½- .19
Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate,[4,6] flake, ctns., works, frt. alld. lb. .30 - .35
granules, ctns., same basis. lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld. lb. .30 - —
Cerium hydrate, dms., works. lb. .60 - —
Oxalate, USP, bbls., works. lb. .35 - —
kgs., works. lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works. lb. 1.50 - —
smaller lots, bgs., same basis. lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works. lb. .02¾- —
paint and other industries, bgs., c.l., works. ton 40.00 - —
papermakers, bgs., c.l., works. ton 32.50 - —
rubbermakers, bgs., c.l., works, ton 30.00 - —
Chamomile, Hungary type, cs. lb. .45 - .50
Roman, bls. lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South. ton 30.20 - —
l.c.l., same basis. ton 41.00 - —
Willow, powd., bbls. lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works. 100 lbs. 2.85 - 3.85
l.c.l., works. 100 lbs. 3.10 - 4.10
tanks, works. 100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works. 100 lbs. 6.50 - 9.10
l.c.l., works. 100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works. ton 9.50 - —
l.c.l., works. ton 16.00 - —
bulk, c.l., works. ton 7.00 - —
200 mesh, bgs., c.l., wks. ton 8.50 - —
l.c.l., works. ton 9.50 -15.50

China clay, dom., wet grd., silkbolt 99.9%, 325 mesh, bulk, c.l., works. ton 9.50 - —
paper bgs., c.l., works. ton 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila. ton 19.00 -24.00
powd., cks., l.c.l., ex whse. ton 41.00 - —
Chloral hydrate, jars. lb. .93 - .98
dms. lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works. lb. .32 - —
smaller lots, works. lb. .35 - —
Chlorine,[3,5,6] liquid, cyls., c.l.lb. .06¼- —
contracts lb. .06¼- —
l.c.l. lb. .07¼- —
tanks, single units, works, frt. equald 100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald. 100 lbs. 2.00 - —
2, wks., frt. equald. 100 lbs. 2.50 - —
1, wks., frt. equald. 100 lbs. 3.00 - —
Chloroform, tech., dms. lb. .20 - .23
USP, dms. lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld. lb. .80 - —
100-lb. cyls., same basis. lb. .82 - —
25-lb. cyls., ex whse. lb. 1.00 - —
1-lb. bots., ex whse. lb. 1.25 - —
Choline chloride, fib. dms. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms. lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs. lb. .07½- —
7½%, bbls., cs. lb. .06½- —
Cake, bulk, c.l., works. ton 16.00 - —
Ore,[1] residue, paper bgs., c.l., works. ton 15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. lb. 6.03 - 6.09

Cinchona bark,[6] red, quill, USP, 10 in., cs. lb. 1.20 Nom.
broken, bgs. lb. .19 Nom.
yellow, quill, bgs. lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13½*
sulphate, NF, cns., 100 ozs. oz. .86 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs. oz. .62 + .13½*
large cryst., cns., 100 ozs. oz. .66 + .13½*
Sulphate, NF, cns., 100 ozs. oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

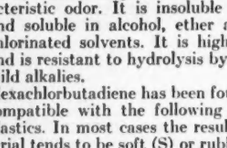
Cinchophen, NF, bots. lb. 3.70 - 3.80
dms. lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms. lb. 2.00 - 2.90
Cinnamon,[1] Ceylon, 2, bls. lb. .53 - .55½
No. 2, bls. lb. .52 - .55
chips, bgs. lb. .56 Nom.
Citral, bots., cns. lb. 2.85 - 4.75
Citrine ointment, jars. lb. .91 - 1.11
Citronellal, bots., dms. lb. 2.75 - 3.25
Citronellol, bots., dms. lb. 6.00 - 7.00
Cloves,[1] Madagascar, futures, bls. lb. .16¾- .17¼
Zanzibar, bls. lb. .21½ Nom.
Clover tops, red, bgs. lb. .39 - .40
Coaltar, coal-gas, crude, bbls., l.c.l., works. bbl. 8.25 - —
l.c.l., works. bbl. 8.75 - —
tanks, works. gal. .07¼- —
refd., bbls., c.l., works. bbl. 6.75 - —
l.c.l., works. bbl. 9.25 - —
tanks, works. gal. .08¼- —
water-gas, crude, dms., c.l., works. bbl. 8.25 - —
l.c.l., works. dm. 8.75 - —
refd., dms., c.l., works. dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs. lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.53 - —
feed grade, 23% Co., kgs. lb. 1.85 - —
Chloride, kgs., works. lb. .97½- —
feed grade, 24.5% Co., kgs. lb. 1.25 - —
Hygrade,[6] bbls. lb. 2.04 - —
feed grade, 62% Co., kgs. lb. 2.25 - —
Linoleate, paste, 5%, dms. lb. .32 - .33
solid, 8½%, dms. lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms. lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs. lb. 1.25 - —
Oleate, bbls. lb. .44 Nom.
Oxide,[6] black, kgs. lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs. lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms. lb. .88½- —
Soyate, 8%-8.5% Co., 50-gal. dms. lb. .42 - .44
Sulphate,[6] dms. lb. .65 - —
feed grade, 21% Co., kgs. lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs. lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .37 - .38
silver, Teneriffe, bgs. lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt. lb. .25 - —
Cocillana bark, bgs. lb. .28 - .30
Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls. lb. .18 - .20
blue, bls. lb. .18 - .20
Colchicine, bots., cns. oz. No stocks.
Cochicum seed lb. No stocks.
Collodion, USP, dms. lb. .19½- .20¼
cns. lb. .23 - .29½
flexible, USP, dms. lb. .21 - .22
cns. lb. .25 - .31
Colocynth pulp, bls. lb. .60 - .65
Colombo root, bls. lb. .17 - .18
Coltsfoot leaves, bgs. lb. .90 - 1.00
Condurango bark, bg. lb. .12 - .15
Copaiba balsam, Peru, cns. lb. .47 - .49
S. A., USP, cns. lb. .50 - .52
Copper acetate,[6] cupric, bbls., dlvd. lb. .24 - —
smaller containers, dlvd. lb. .26 - .50
Carbonate,[6] 52-54%, bbls. lb. .19½- .20
Chloride,[6] anhyd., bbls. lb. .22½- .23
crystals, bbls. lb. .14¾- .17
Cyanide,[6] tech., bbls. lb. .34 - .38
Iodide, bots. lb. 5.15 - 5.19
Metal,[1,3,6] electrolytic. lb. .12 - .12¾
Naphthenate, 6%-8% Cu, 50-gal. dms. lb. .15 - .17
Nitrate,[6] tech., cryst., bbls. lb. .16¾- .20
Oleate, precip., bbls. lb. .22½- .29¼
Oxide,[6] black, bbls., works. lb. .19 - .22
red, com'l, kgs. lb. .20 - .22
Oxychloride-sulphate,[6] bgs. lb. .17 - .20
Resinate, precip., 8.3% Cu, 125-lb. dms. lb. .15¼- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works. 100 lbs. 5.00 - —
7,200 to 36,000 lbs. 100 lbs. 5.15 - —
2,700 to 7,200 lbs. 100 lbs. 5.25 - —
700 to 2,700 lbs. 100 lbs. 5.50 - —
monohydrated, bgs., in dms., c.l., dlvd. 100 lbs. 9.95 - —
l.c.l., same basis. 100 lbs. 10.95 - —
dms., c.l., dlvd., same basis, 100 lbs. 8.95 - —
l.c.l., same basis. 100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works. ton 17.00 - —
bbls., c.l., works. ton 20.00 - —
l.c.l., 25, works. 100 lbs. 1.55 - —
1-4, works. 100 lbs. 2.00 - —
bulk, c.l., works. ton 14.00 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. gal. .90 - —
Copra, Coast, ship't. lb. No prices
Coriander seed,[1] Indian, bgs. lb. No stocks
Morocco, bgs. lb. .13¾ Nom.
Cornsilk, bls. lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd. 100 lbs. 3.905 - —
slabs, bbls., c.l. 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l. 100 lbs. 4.221 - —
43°, bbls., c.l. 100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more. lb. 1.59 - —
gran., powd., dms., 50 lbs. or more. lb. 1.44 - —
Cottonroot bark, bls. lb. .18 - .19
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd. unit-ton 1.00 - —
Meal,[1] 41% protein, Memphis, c.l. ton 45.00 -49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more. lb. 2.75 - —
smaller lots. lb. 2.90 - 3.10
Cramp bark, NF, bls. lb. .80 - .85
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't. lb. .57½- —
smaller lots, bbls. lb. .58 - —
kgs. lb. .58¼- —

Five New Hooker Products to Help You

Among Hooker's thirteen new chemicals announced at the Chemical Exposition, December 1943, some have shown especially promising futures. Many chemists all over the country have been trying out these new products. Their work is of course confidential, but we feel that you may find, as they have, chemicals to assist in doing an old job better or to do an entirely new job.

Whether your research or production problems are concerned with present or post war needs, we invite your inquiries about these new products. The Hooker Laboratories have prepared additional data and will be glad to send you such information when requested on your letter head.

HEXACHLORBUTADIENE



Description: Hexachlorbutadiene is a clear, colorless liquid with a mild characteristic odor. It is insoluble in water and soluble in alcohol, ether and most chlorinated solvents. It is highly stable and is resistant to hydrolysis by water or mild alkalies.

Hexachlorbutadiene has been found to be compatible with the following types of plastics. In most cases the resultant material tends to be soft (S) or rubbery (R). In a few cases, tough (T) or even brittle (B) materials are formed.

Chlorinated Piccolyte (S) (R)	Rosin (S)
Modified Phenolic Resin (B)	Polystyrene (R)
Polyvinyl Chloride (R) (T)	Alkyd Resin (S)
Phenol Formaldehyde (S)	Benzyl Cellulose (S)
Chlorinated Rubber (B)	Natural Asphalt (T)
Poly Terpene Resin (S)	Vinyl Polymer (S) (R)

Suggested Uses: Solvent for natural and synthetic rubber, and other polymeric substances; high boiling, non-flammable solvent for degreasing and extraction processes; dielectric fluid for switches and transformers; hydraulic fluid; heat transfer medium; chemical reagent in manufacture of synthetic rubber; plasticizer.

Physical Data:

Molecular Weight	261
Melting Range, °C	-19 to -22
Boiling Range, °C	210 to 220
Refractive Index, n20/D	1.551 to 1.554
Specific Gravity 15.5°/15.5°C	1.65 to 1.70

TRICHLORCUMENE

$(CH_3)_2—CH—C_6H_2Cl_3$

Description: Trichlorcumene (Isopropyl Trichlorbenzene) is a colorless liquid with a mild aromatic odor. It is a mixture of Trichlorcumene isomers. It is insoluble in water and soluble in alcohol, ether, and most common solvents. It is highly stable, being resistant to oxidation and hydrolysis.

Trichlorcumene has been found to be compatible with the following types of plastics. The nature of the resultant material is indicated as soft (S), rubbery (R), tough (T), and brittle (B):

Modified Phenolic Resin (S)	Rosin (S)
Phenol Formaldehyde (S)	Ester Gum (S)
Chlorinated Piccolyte (S)	Polystyrene (R)
Benzyl Cellulose (T) (B)	Piccoumaron (S)
Chlorinated Rubber (R)	Natural Asphalt (S)
Poly Terpene Resin (S)	Polyvinyl Chloride (R)
Methacrylate Interpolymer (T) (R)	

Suggested Uses: Hydraulic fluid, transformer, and dielectric fluids, anti-freeze additive for hydraulic, dielectric and heat transfer fluids, solvent for fats, oils, waxes, coal tar dyes, asphalts, solvent, diluent, and plasticizer for protective coating and insulating compositions; extractant for phenols, etc. from liquids such as waste waters; ingredient of insecticidal compositions, paint and varnish removers, paints, solvents and plastic compositions.

Physical Data:

Molecular Weight (pure Trichlorcumene)	223.5
Freezing Range, °C	-30 to -45
Boiling Range, °C	245 to 265
Refractive Index, n20/D	1.535 to 1.560
Specific Gravity 15.5°/15.5°C	1.26 to 1.32

CHLORPROPANE LIQUID 170

$C_3H_{1.5}Cl_{6.5}$ *(aver.)

Description: Chlorpropane Liquid 170 is a clear, colorless liquid with a characteristic odor, is insoluble in water and soluble in alcohol, ether and most chlorinated solvents. It becomes quite viscous at temperatures below-50°C. It is resistant to oleum, mixed acids, fuming nitric acid and hydrogen fluoride.

Chlorpropane Liquid 170 has been found to be compatible with the following types of plastics:

Methacrylate Interpolymer	Polystyrene
Phenol Formaldehyde	Piccoumaron
Methyl Methacrylate	Vinyl Polymer
Urea Formaldehyde	Natural Rubber
Poly Terpene Resin	Polyvinyl Chloride

Suggested Uses: Plasticizer, rubber and plastic modifier; sealing liquid; paint softener, insecticide.

Physical Data:

Molecular Weight (aver.)	268
Boiling Range °C	160 to 260
Refractive Index n20/D	1.520 to 1.523
Specific Gravity 15.5°/15.5°C	1.70 to 1.75
Analysis,* (typical)	
Pentachlorpropane	0 to 5%
Hexachlorpropane	40 to 50%
Heptachlorpropane	40 to 50%
Octachlorpropane	0 to 5%

CHLORPROPANE WAX 130

$C_3H_{0.15}Cl_{7.85}$ *(aver.)

Description: Chlorpropane Wax 130 is a tough white crystalline wax, possessing a mild camphor-like odor. It is a very highly chlorinated propane derivative and therefore nearly saturated. It is insoluble in water and soluble in alcohol, ether, and most chlorinated solvents. It is resistant to oleum, mixed acids, fuming nitric acid and hydrogen fluoride.

Chlorpropane Wax 130 has been found to be compatible with the following types of plastics:

Methacrylate Interpolymer	Rosin
Modified Phenolic Resin	Gilsonite
Methyl Abietate Resin	Ester Gum
Phenol Formaldehyde	Polystyrene
Chlorinated Piccolyte	Alkyd Resin
Chlorinated Rubber	Piccoumaron
Urea Formaldehyde	Natural Rubber
Polyvinyl Chloride	Poly Terpene Resin
Chlorinated Diphenyl Resin	

Suggested Uses: Plasticizer; dielectric wax; chemical resistant lubricant; organic systheses to make synthetic rubber and plastics; ingredient of pyrotechnic compositions.

Physical Data:

Molecular Wt. (aver.)	311
Melting Range °C	110 to 135
Boiling Range °C	210 to 270
Analysis* (typical)	
Octachlorpropane	85%
Heptachlorpropane	15%

CHLORPARAFFIN RESIN 70

$C_{24}H_{29}Cl_{21}$ (aver.)

Description: Hooker Chlorparaffin Resin 70 is a highly chlorinated paraffin. It is a brittle resin having an amber color in lump form. It may be crushed readily to a white powder which exhibits little tendency to agglomerate on standing. It is more stable than chlorinated paraffins containing lesser amounts of chlorine. It is soluble in most aromatic solvents, but is difficult of solution or insoluble in mineral spirits. It begins to soften measurably at about 90°C and is still very viscous at 120°C.

Chlorparaffin Resin 70 has been found to be compatible with the following types of plastics:

Chlorinated Diphenyl Resin	Rosin
Modified Phenolic Resin	Gilsonite
Chlorpropane Wax 130	Ester Gum
Methyl Abietate Resin	Polystyrene
Phenol Formaldehyde	Alkyd Resin
Chlorinated Piccolyte	Piccoumaron
Chlorinated Rubber	Vinyl Polymer
Urea Formaldehyde	Benzyl Cellulose
Poly Terpene Resin	Polyvinyl Chloride
Methacrylate Interpolymer	

Suggested Uses: Ingredient of fire, water and mildew retardant paints, fabrics and other protective coatings. Its stability and chemical inertness relative to most substances make it of particular interest for the impregnation of combustible materials to give fire retardant action. In protective coatings and paints, it does not affect the rate of drying.

Physical Data:

Molecular Weight (aver.)	1063
Analysis (typical) Weight %	
Chlorine	68 to 72
Free HCl (max.)	0.05
Heavy metals (max.)	0.01
Softening Range, °C	90 to 100
Flash Point	None
Fire Point	None
Specific Gravity, 15.5°/15.5°C, (min.)	1.600
Acid Number (mg. KOH/gm.) (max.)	0.50
Stability, mg. HCl/25 gms.	60 to 70

HOOKER CHEMICALS

HOOKER ELECTROCHEMICAL COMPANY

1 Forty-Seventh Street • Niagara Falls, N. Y.

NEW YORK, N. Y. • TACOMA, WASH. • WILMINGTON, CALIF.

Creosote carbonate, beta., cbys., lb. 2.10 - 2.39
Coaltar, oil,[3] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots.....lb. 1.04 - —
Hardwood, USP, bots.....lb. .80 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .06¾- .09¾
Cresol, USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[4] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.62½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E.....lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —

Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nov., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 98-100%, works..lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. al'd. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .30 - .82
Lecanol,[3] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .23 Nom.
Defluorinated phosphate,[1] paper bgs., works..ton. 84.25 - —
Degras,[1,4] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .16 - .17
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Cnicago .....100 lbs. 5.03 - —
Dextrin, corn, canary, bgs., c.l. 100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP., bgs., c.l., Atlantic Coast.. lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast. ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic Coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2470- .2500
1-gal. cns., same basis..lb. .2670- .2700
dms., c.l., same basis....lb. .1940- .2330
l.c.l., same basis.....lb. .1990- .2380
tanks, same basis.....lb. .1840- .2230
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .14 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .3020- —
l.c.l., dlvd.....lb. .3070- —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works.. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R...lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether,[6] dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .14½- .15
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol)
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin,[6] dms., tons, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .55 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] bgs., ex dock.....ton. 68.00 - 70.00
Doggrass root, imp., cut, NF, bls..lb. .50 - .55
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls...lb. .15 - .20
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs andt cosmetics—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
Green, FD&C green, No. 1 cns. lb. 13.50 - —
FD&C green, No. 2, cns...lb. 17.50 - —
FD&C green, No. 3, cns...lb. 27.50 - —
Orange, FD&C orange, No. 1, cns...lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns...lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb. 12.35 - —
Brown, D&C brown, No. 1, cns. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns...lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 6.35 - —
D&C red, No. 18, cns.....lb. 15.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Dyes, coaltar (certified colors) for drugs and cosmetics—
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb. 10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3, cns..lb. 21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb. 12.35 - —
Ext. D&C red, No. 13, cns.lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
286 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
466 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base.lb. 15.00 - —
1078 Alizarin cyanin. green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —

SPOT DELIVERIES

MENTHOL Not USP

HEAVY CALCINED MAGNESIA MAGNESIUM METAL POWDER

SODIUM HYDROSULFITE DICALCIUM PHOSPHATE

ZINC CHLORIDE SOLID

CREAM OF TARTAR IMPORTED

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NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE •• NEW YORK 17, N. Y. • PHONE LE 2-9740

Dyes, coaltar, for general uses[3] (numbers are those of Colour Index scale)—

Green—
1078 Alizarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —

Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[4] violet base..lb. 6.00 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .37 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
793 Phosphin .....lb. 4.65 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol Red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —

Red:—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 3.05 - —
176 Fast red A[4].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
788 Eosin G.....lb. 1.50 - —
841..Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes natural (see name of article).

E

Echinacea root, bls.....lb. .95 - 1.00

Egg[1] albumen (see Albumen).
Yolk, dried, dom.....lb. 1.09 - 1.15
imported .....lb. No stocks

Elder flowers, bright, bls.....lb. .58 - .59

Elecampane root, bls.....lb. No stocks

Elm bark, grinding, bls.....lb. No stocks
powd., bbls., bxs.....lb. No stocks
select, bndls.....lb. .50 Nom.

Emetine[2] hydrochloride, bots..oz.21.00 -33.00

Ephedra, bls.....lb. .21 - .22

Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
Hemihydrate, bots., 100 ozs. oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.00 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l. .....lb. .08 - .09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, dms.....lb. 1.40 - 1.45

Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —

Ether, acetic ..see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —

Ethyl acetate,[2,3] 85-90%, dms., c.l., frt. alld..lb. 11.70- 12.75
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld.. lb. .1225- .1335
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½

Ethyl acetoacetate, dms., c.l., works..lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, dms., f.o.b. Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —

Ethylcellulose,[4] standard, pkgs., 5,000 lbs. or more, works.lb. .50 - —
smaller lots, same basis....lb. .52 - .60

Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —

Ethylene dichloride,[2] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l.cl., works, E. of Rockies, alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0743- —
West of Rockies, same basis..lb. .0792- —

Ethyleneglycol,[2,3] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —

Monobutylether,[4] dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —

Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —

Monoethylether acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .13½
tanks, works.....lb. .10½- —

Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —

Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —

Ethylmorphine hydrochloride, bots..oz.10.55 -10.75

Ethyldianilin, dms.....lb. .45 - .47½

Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —

Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more. lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40

Eucalyptol, cns., dms.....lb. 2.50 - 3.00

Eucalyptus leaves, bls.....lb. .10 - .15

Eugenol, cns., dms.....lb. 2.65 - 2.25

Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min., 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 - 12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00

Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .15½ Nom.

Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks

Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., same basis.....ton.40.00 - —

Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —

Fir balsam, Canada, cns.....gal.19.00 -20.00
Oregon, bbls.....gal. 2.35 - 2.50

Fishberries, bgs.....lb. .23 - .24

Fisholls (see Oil, fishliver).

Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —

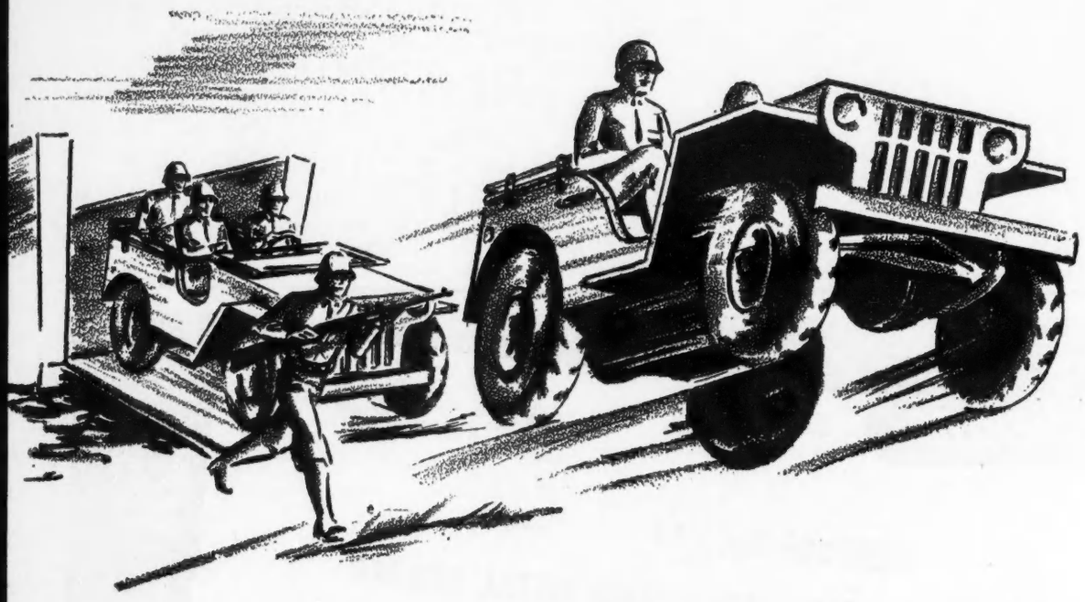
Fishscrap, dried, 60% protein, bulk, East Coast..ton.66.50 - —

Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —

Flaxseed, French, black, bgs..lb. .70 - .73
Indian, blonde, bgs.....lb. .13 - .16

Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines. net ton.37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton.33.00 - —
65%, mines.....net ton.32.00 - —
60%, mines.....net ton.31.00 - —
less than 60%, mines..net ton.30.00 - —

with SPEED the KEYNOTE



Harshaw driers fit production facilities

LIQUID DRIERS
Uversol Liquids
Linoresinate Liquids
Linoleate Liquids
Lithos
Pastes

SOLID DRIERS
Uversol Solids
Linoresinate Solids
Linoleate Solids
Soyate Solids
Fused Resinates

POWDERED DRIERS
Precipitated Resinates
Drying Salts:
Cobalt
Lead
Manganese
Zinc

Select a Harshaw Drier . . . liquid . . . solid . . . powdered . . . to fit your present production facilities.

Stir it in . . . cook it in . . . grind it in.

It makes no difference which form of Harshaw Drier you decide upon, the quality is maintained with constant uniformity. The same satisfactory performance can be relied upon from each new batch.

Harshaw Driers are checked carefully for standard requirements of metal content, viscosity, color and stability. You can depend upon them.

FREE... Drier Slide Rule and Booklet entitled "Helpful Data about the Full Line of Harshaw Driers". Write for this time-saving combination.

HARSHAW

THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0520- —
l.c.l., works.....lb. .0670- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —

Fringetree bark, bls.....lb. No stocks

Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00

Furfural,[6] ref., dms., c.l., works.lb. .15½- —
l.c.l., works.....lb. .18 - .25½
tech., dms., contracts, 150,000 lbs. .10 - —
c.l., works.....lb. .13 - —
l.c.l., works.....lb. .15½- .20½
tanks, works.....lb. .09½- —

Fusel oil, crude, dms., works,gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½

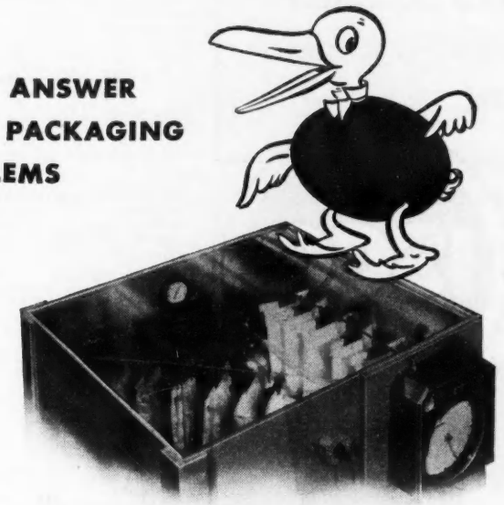
Fustic, cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .30 Nom.
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refnery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .05⅞- —
Bayonne, 70-74 oct., tanks...gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .05⅝- .06½
Group 3, 70-74 octane, tanks, gal. .06¼- .06⅜
natural, 26-70, tanks....gal. .04⅝- .05
Oklahoma-Texas, US motor, 70-74 octane, tanks..gal. .03⅞- .06
Pennsylvania, western, U. S. motor 70-74 octane, leaded, tanks..gal. .07⅝- .0895
Gelatin, silver, label, etns., dlvd. lb. .90 - .97
export, cases.....lb. 1.00 - —
Silver gelatin prices 5c. higher for deliveries in:—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., and Wyo.
Gelsemium, root, bls.....lb. .23 - .25
Gentian root, bls.....lb. .41 - .42
grd., bbls., bxs.....lb. .46 - .47
powd., bbls., bxs.....lb. .47 - .48
Geraniol, 92-96% cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .27 - .27½
Cochin, bleached, bgs.....lb. .28 - .29
unbleached, bgs.....lb. .25½ Nom.
Jamaica, No. 1, bgs.....lb. .30 - .31
No. 2, bgs.....lb. .26¼- .27
No. 3, bgs.....lb. .24½- .25
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers,[7] calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis..lb. .15½- —
58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls. ½c. over bags.
Glycerin, crude, saponification, 80%, to refiners, tanks..lb. .11¾- —
soapiye, 80%, tanks.....lb. .10 - —
dynamite, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14¼- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l. .....lb. .15⅜- —
tanks .....lb. .15 - —
B.P., 98%, dms., c.l.....lb. .15¾- —
l.c.l. .....lb. .16¼- —
tanks .....lb. .15½- —
yellow, distilled, dms., c.l...lb. .15⅜- —
l.c.l. .....lb. .15⅞- —
tanks .....lb. .14⅛- —
Zone C, territory west of Zone B.
Glycine, medicinal, bbls., tins.lb. 1.25 - 1.30
Glycol borboorate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots., oz.20.75 -21.00
acid-yellow, bots.....lb.18.75 -19.00
Gold-soda chloride, photo., oots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal, root, bls.....lb. 7.00 - 7.50
powd., bxs.....lb. 7.25 - 7.75
Grain of Paradise, bgs.....lb. .37 - .38
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works..lb. .04½- —
70-75% bgs., same basis..lb. .05 - —
75-80%, bgs, same basis..lb. .05½- —
80-85%, bgs., same basis..lb. .06 - —
85-90%, bgs., same basis..lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,6] house, loose.....lb. .08¼- —
white, choice, loose.....lb. .08⅞- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Green, chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis..lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis..lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
Green, chrome, reduced, 61-65%, bbls., same basis..lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .18 - .28
Guaiac resin, cs.....lb. .46 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms.lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs....lb. .11½- .12
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Gum, copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55⅝- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15⅝- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼- —
35, bgs., same basis....lb. .15⅝- —
36, bgs., same basis....lb. .12⅝- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅝- —
unsorted, No. 1, bgs., same basis..lb. .14¾- —
2, bgs., c.l., same basis..lb. .12⅝- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis.. lb. .14⅞- —
Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis.. lb. .05⅝- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅝- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅝- —
Singapore, Rasak, bold, bgs., same basis..lb. .22⅝- —
chips, same basis....lb. .11⅝- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16⅝- —

This "MONSOON IN A CABINET"

HELPS ANSWER YOUR PACKAGING PROBLEMS



You can't afford guesswork in selecting the package for your products. You want the experimenting to be done *before* your products are entrusted to the packages.

And that's exactly the work of the Bemis Shipping Research Laboratory. To test Bemis Waterproof Bags, chemists and research specialists duplicate all varieties of weather conditions—even to a tropical monsoon. They duplicate extremes of shipping conditions, to test for strength. They try the chemical reactions of the commodities to be packaged.

In short, they give the bags "the works." And when our Research Laboratory says a Bemis Waterproof Bag will do your job, you can bank on it.

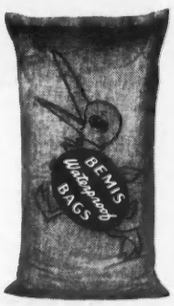
Bemis Waterproof Bags save you money, too. They cost less than other containers giving comparable protection and reduce shipping costs on both empty and filled bags. They speed up filling, closing and handling time and frequently reduce damage claims.

Mail the coupon today for the interesting booklet—"A Guide to More Efficient Shipping." And, if you wish, one of our representatives will, without obligation, call on you to discuss your packing requirements.

A STURDY PROTECTOR

Powdered, granular, crystal or lump form products frequently have a tendency to absorb moisture or odors. And, with ordinary packaging, there's danger of loss from vermin, dirt, contamination or sifting. But when your products are packaged in Bemis Waterproof Bags, they are protected from such dangers.

The tough closely woven outer fabric of Bemis Waterproof Bags is bonded with special adhesives to one or more layers of paper—thus producing the ideal shipping container for your product.



WATERPROOF DEPARTMENT

BEMIS BRO. BAG CO.

ST. LOUIS · BROOKLYN

BEMIS BRO. BAG CO., 408-A Pine St., St. Louis 2, Mo.,
5122 Second Ave., Brooklyn, N. Y.

Please send your special booklet, "A Guide to More Efficient Shipping," and details about use of Bemis Waterproof Bags for_____ (PRODUCT)

*Firm Name*_____

*Street Address*_____

*City*_____ *State*_____

*Mark for the attention of*_____

BEESWAX and BEESWAX SUBSTITUTE
CARNAUBA and CARNAUBA SUBSTITUTE
CANDELILLA • CERESINES
JAPAN and MONTAN WAX SUBSTITUTES
OURICURY • OZOKERITE (Domestic)
SPERMACETI

ARABIC • GHATTI
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LOCUST BEAN • TRAGACANTH

Imported and refined by us
in our plant at Jersey City.

INNIS, SPEIDEN & COMPANY
Established 1816
117 Liberty Street . . . NEW YORK 6
BOSTON • CHICAGO • CINCINNATI
CLEVELAND • GLOVERSVILLE • PHILADELPHIA

Gum, copal, Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅝- —
MA, same basis.....lb. .09⅝- —
MB, same basis.....lb. .09⅛- —
WS. bgs., same basis....lb. .11⅝- —
Manila, Boeas,[1] hard, bold, amber, light, bakts, c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13⅝- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12⅝- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅞- —
dust, same basis.....lb. .07⅝- —
MB, same basis.....lb. .09½- —
WS, same basis.....lb. .11⅝- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis, lb. .15½- —
dust, same basis.....lb. .07⅝- —
whse., entry point, c.l., lb. .08⅜- —
Philippine,[1] Manila, extra bold, pale scraped, bakts., same basis..lb. .15 - —
sorts, same basis.....lb. .12¾- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis, lb. .13⅜- —
seeds, dust, same basis...lb. .08⅜- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅛- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis.....lb. .17⅜- —
chips, small, same basis..lb. .12⅞- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅝- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .34⅞- —
C, same basis.....lb. .28⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18⅝- —
F, same basis.....lb. .13⅜- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, cs., c.l..lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis..lb. .12⅝- —
chips, cs., same basis.....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17⅜- —
Gum dammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09¾
Ester, ord., dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneaoplis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .09½- —
other points, dlvd.....lb. .10 - .11
l.c.l., dlvd. Ill., Ind., etc., lb. .09⅝- .10
other points, dlvd.....lb. .10½- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse., lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
higher.
No. 2, extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis, lb. .20⅜- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20⅜- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis.lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65⅝- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l. prices are ¼c. to ½c.
Locust bean, powd., bbls...lb. .68 - .70
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.. ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y., Blue Rapids, Kan., Clarence Center, N. Y.; Fort Dodge, Ia., Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[3,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.20 - 1.25
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots. oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastic (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls., lb. .03⅜- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N. F., bots.....lb. 2.45 - 4.30
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28¾- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd. .....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kgs., works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., lump, bbls..lb. .07½- —
dms. .....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07½
djns. .....lb. .10 - —
Citrate, USP VIII, gran., dms.lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .49 - .53
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs. .....lb. .47 - .49
Oxide, black (see Black Iron oxide).
Phosphate, ferric, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75

Iron resinate, 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms.....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate,[6] bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl trioxyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,[6] dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks .....lb. .04½- —
Isopropylamine, dms., works...lb .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .39 - .40
powd., bbls., bxs.....lb. .46 - .47
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .70 - .85

K

Kamala, tins.....lb. .40 - .45
Kaolin (see China clay)
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:—
Ark., 41-43 w.w., bulk, tanks, gal. 04½- .04¼
Bayonne, 41-43 w.w., tank.... gal. .071 - —
Gulf ports, 41-43 w.w., bulk, gal. .04¼- .04½
Okla.-Texas, 42-44 w.w., tanks, gal. .04⅝- .04¾
Penn., 45 w.w., tanks....gal. .07½- .08
46 w.w., tanks.....gal. .07¼- .07⅝
47 w.w., tanks.....gal. .07⅝- .08
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.25 - 1.50
Lanolin (see Adeps lanae).
Lard,[1,5] pure, ref., trcs.....lb. .1522½- —
Chicago ..... .1455- —
Larkspur seed, bgs.....lb. 3.25 - 3.50
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .30 - .31
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .19 - .19½
Turkish, bls.....lb. .34 - .35
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,3] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, standard, cns., c.l..lb. .05¾- .06
l.c.l. .....lb. .06 - .06½
powder, basic, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l. .....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l. .....lb. .19 - .23
standard, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
l.c.l. .....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l. .....lb. .18½- .23½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l. .....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E..lb. .07½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., divd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib, dms.....lb. .49 - —
Iodide, NF V, powd., bots..lb. 2.80 - —
jars .....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .23 - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc.lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97%, Pb_3O_4, bbls., c.l., divd. Ala., etc..lb. .09½- —
other points.....lb. .09¼- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, divd. Ala. lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10⅝- —
other points.....lb. .10¼- —

Lead, red, dry, 98%, Pb_3O_4, bbls., c.l. (20 tons,) divd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 23.3% Pb., 100-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb. 50-gal. dms. lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).
Tallate, 16% Pb, 60-gal. dms. lb. .08¼- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
divd., other points..lb. .08¼- —
l.c.l., divd. Ariz., etc.lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., divd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., divd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
in oil, consumers, kgs.....lb. .13¼- .13⅝
dealers, 100-lb. kg.....lb. .11¼- .11½
painters, 100-lb. kg.....lb. .12¼- .12½

Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
in cocoa butter, dms., c.l....lb. .39½- —
l.c.l. .....lb. .40¾- .50
Pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
Tech., dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls....lb. .08 - .09
powder, bbls.....lb. .14 - .15
Russian, bls.....lb. .08½- .09
Spanish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —

Lime, chemical (quicklime), lump, or pebble, bulk, f.o.b. Springfield, Mo..ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D..ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 9.00 - —

LANOLINE

and Woolgrease consumers are no longer required to file for allocation on Forms FDA 477 and 478.

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Effective October 1, 1944, FDO 76 has been amended enabling users of Wool Fat products excepting manufacturers of cosmetics, mechanics' hand soaps and non-military fur dressings, to obtain deliveries by forwarding properly certified orders directly to their supplier.

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Inventories are restricted to one month's supply based on current rate of consumption.

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If we can be of any service in this connection please communicate with us.

ROBINSON WAGNER CO., Inc.

REFINERS OF LANOLINE & WOOLGREASE

110 EAST 42ND STREET, NEW YORK 17, N. Y.

Lime, spray, paper bgs., f.o.b., Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen,[6] 20.5% N, bgs., works..ton. No stocks
Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, cns.....lb. 3.25 - 8.75
Linden flowers with leaves, bls.. lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l powd., bbls., c.l., dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .06¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .09½- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium[6] bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Lithium carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l...lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .43 - .48
Lobelia sulphate, bots., wks..oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls...lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .50 Nom.
Lupulin, NF, tins.....lb. 7.00 -10.00
Lycopodium, USP, cs.....lb. 2.90 - 3.00

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 - .63
broken, bgs.....lb. .55 - .56
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¾- —
bbls.....lb. .07½- —
kgs.....lb. .08⅜- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08⅛- —
kgs.....lb. .09⅜- —
2, c.l., bgs.....lb. .06¾- —
bbls.....lb. .07⅛- —
kgs.....lb. .08⅜- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09⅝- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10⅜- —
Zone 2, c.l., bgs.....lb. .06¾- —
bbls.....lb. .06½- —
kgs.....lb. .09⅜- —
l.c.l., bgs.....lb. .08¼- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd..lb. .13 - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Magnesia silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -22.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works.ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn. 50-gal. dms. lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account.....ton.70.00 - —
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .29 - .30
California, French type, bls., f.o.b. Pacific Coast..lb. .86 - .87
Chilean, bls.....lb. .33 - .33½
Portuguese, wild, bls.....lb. .30 - .31
Matico leaves, bls.....lb. .22 - .29
Menthol,[1] natural, Brazilian, cs., 500 lbs...lb.16.50 - —
smaller lots.....lb.16.75 -16.90
synthetic, USP, cs.....lb.13.00 - —
technical .....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10% tubs..lb. .70 - .72
30%, pails.....lb. 1.19 - 1.21
50,% pails.....lb. 1.54 - 1.56
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.15 - 2.17
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.34 - —
Iodide,[2] red, NF, dms., kgs.lb. 3.90 - —
yellow, fib. dms., kgs.....lb. 4.00 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red precipitate).
tech. (see Red, mercury oxide)
yellow, NF VI. fib. dms..lb. 2.34 - 2.36
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.49 - 1.54
dms.....lb. 1.42 - 1.44
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.
synthetic,[4,5] dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, dms., c.l., dlvd. lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd. lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —

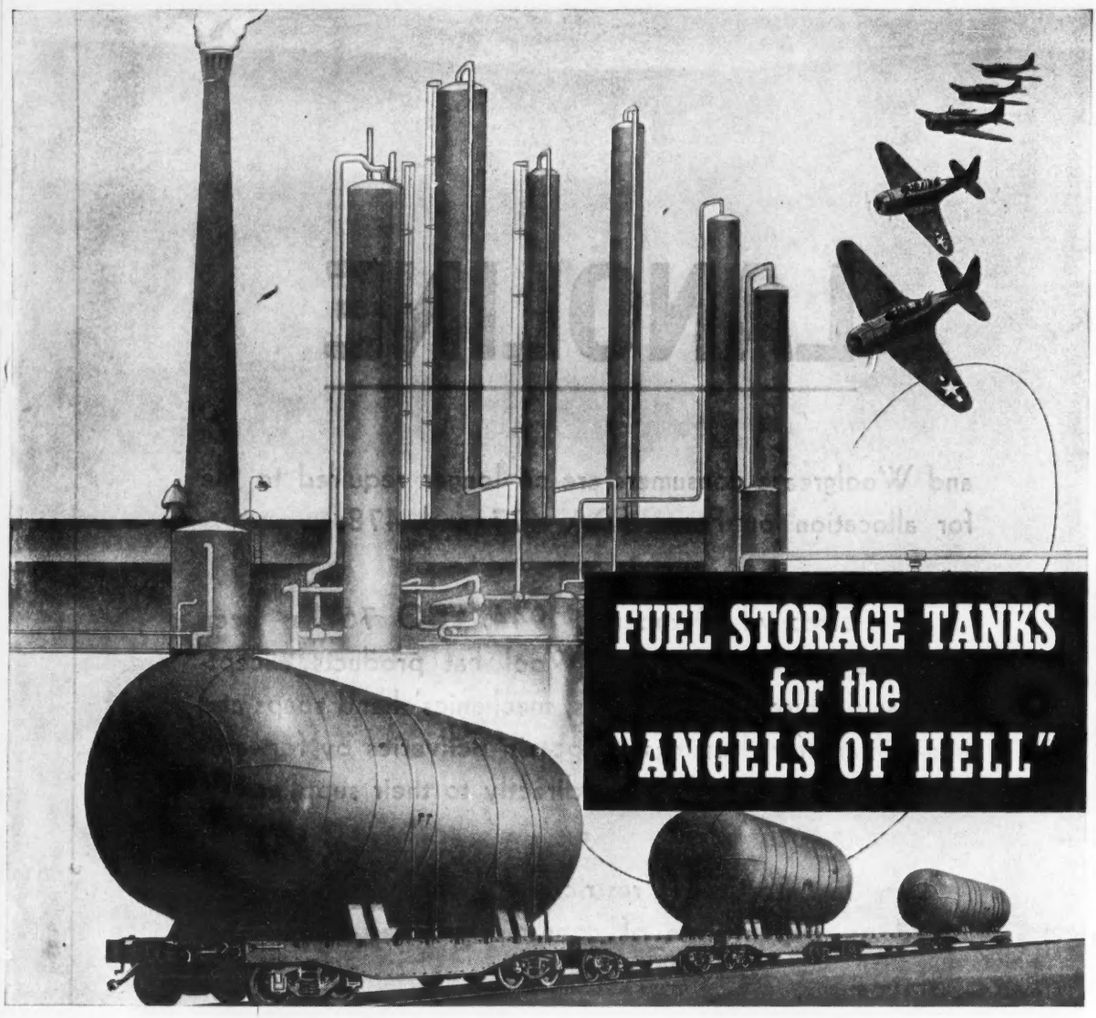

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Plate & Welding Division Sharon, Pennsylvania

Specialists in plate fabrication — manufacturers of pressure vessels of steel, alloys and aluminum—all classes of welding — process equipment of all types—chemical engineering laboratories and service—completely equipped field erection department.

Methyl acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —

Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —

Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 4.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.25 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers. cyl..lb. .36 - —
50 to 400 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers. lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers. lb. .35 - —

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾- —
l.c.l. .....lb. .04¼- —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
l.c.l. .....lb. .04¼- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
paper bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —

Mica, wet-grd., wallpaper, bgs., c.l..lb. .04¾- —
l.c.l. .....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I. and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,5] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex., Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).

Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.60
Trioxide,[5] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .01 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- l.c.l. .....lb. .07 - .09
tanks .....lb. .05 - —
Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis.....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylaniline, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.80 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5 oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., 55 gals., l.c.l., works..lb. .97 - —
smaller containers, works....lb. .12 - .13
Mullein leaves, cns.....lb. .75 - —
Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more. lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more. lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.80
Mustard seed, Calif., brown, bgs. lb. .16½- .17
Montana, yellow, bgs.....lb. .12 - .12½
Washington, yellow, bgs.....lb. .12 - .12½
Myrobalans,[6] J1, whole, bgs., frt. guar., insurance, $1. Any difference for buyers' account. ton.70.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis.. ton.58.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[1,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —

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A recent accomplishment of Dow laboratory and production research is the new Dow Propylene Glycol, N.F. Formulated to the highest standards of purity . . . produced in quantity by Dow-devised methods which assure full retention of fine quality, clarity and excellent characteristics of taste and odor . . . Dow Propylene Glycol is now shipped in new resin-lined, product-protecting containers. Thus, from laboratory to user, the purity of Dow Propylene Glycol is constantly and vigilantly safeguarded. This widely useful liquid is clear, colorless, slightly viscous; it is completely miscible with water, alcohol, acetone, chloroform and various other organic liquids; it has diversified solvency properties; and it is a superior preservative and hygroscopic agent. In these ways, and in many more, Dow Propylene Glycol is proving exceptionally valuable in meeting the exacting needs of many fields of industry. It may well be profitably applied in your business.

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✓ Humectant for many products

✓ Solvent and preservative

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Naphthalene, crude, dom., 78°, bgs., c.l., same basis..lb. .0326- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .06 - —
50-lb. cs., same basis....lb. .06½- —
1-lb. pkgs., same basis...lb. .06¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[4,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[4] obls.....lb. .18 - .20
Cyanide,[4] bots., dms.....lb. No stocks
Oxide,[4,5] black, bbls.....lb. .35 - .38
Salt,[4,5] bbls.....lb. .13 - .13½
Nicotine,[3] sulphate, 40%, dms., 50 lbs..lb. .7950- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
Nitrocellulose, ester-soluble, 5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .35 - —
Nitrogen,[6] solut., tanks, ton N.106.21 - — Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + .40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[5] Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[5] E. I., 95's bgs.....lb. .55 - .56
110's, bgs.....lb. .51 - .52
grinding, bgs. .....lb. .45 - .46
West Indian, No. 1, bgs.....lb. .84 - .84½
Nux vomica, bls.....lb. .09 - .11
powder, bbls., bxs.....lb. .12 - .18

O

Oakbark extract,[1,5] 25% tan., bbls., c.l., works..lb. No stocks
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.S..gal. .15½- —
l.c.l., G.S.....gal. .20 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, arti. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb.140.00-150.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. No stocks
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 Nom.
rectified, cns.....lb. 3.00 Nom.
Bois de Rose, Brazil, cns....lb. 4.75 Nom.
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 2.00 - 2.50
Calamus, cns. .....lb.22.50 -25.00
Camphor, sassafrassy, cns..lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.11.75 -12.00
rectified, cns.....lb.13.25 -14.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.22.00 -24.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls.,c.l.lb. .14 - —
cns. .....lb. .15¾- 17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
Oil, castor, dehyd., unbodied, dms., c.l....lb. .1690- —
l.c.l. .....lb. .1730- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .12½- —
l.c.l. .....lb. .14½- —
dms., returnable, c.l....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
Cedarleaf,[1] cns., dms.....lb. 2.65 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb.19.50 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood, (see Oil, tung).
Cinnamon bark oil, bots.....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .90 - .95
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.75 - 1.80
Coconut,[1,5] Manilla, crude, bulk, c.i.f., N. Y..lb. .0635- —
ref. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms..gal. .83 - .85
tankcar .....gal. .83 - .85
Codliver,[5] med., USP, bbls., dms..gal. 2.35 - 2.50
Coriander, bots.....lb.23.50 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16¾
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .06¾- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar,. dlvd. E..lb. .07¾- —
raw, 50%, tankcar, dlvd. E., lb. .03¾- —
salad, l.c.l., ret. dms.....lb. .16¼- —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dilliseed, bots.....lb.10.00 Nom.
weed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.20 Nom.
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units .... per million units. .30 - —
Fuel (see Petroleum, fuel oil),
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns....lb.13.00 -15.75
Bourbon, cns.....lb.13.50 -14.00
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 -22.50
Hemlock, cns.....lb. 2.65 - 2.84
Juniper berry, cns.....lb.15.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.00 - 1.30
Lard,[5] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
ined, bbls. .....lb. .15½- —
Laurel, bots.....lb. No prices
Lavandin, cns., 25 lbs.....lb. 3.00 - —
Lavender flower, French, cns., lb. 8.50 -16.00
Russian, cns. .....lb.11.00 -11.50
garden, cns. .....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns. .....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - —
Terpeneless .....lb.25.00 -50.00
Lemongrass, cns., dms.....lb. 1.50 - 1.60
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns. .....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
l.c.l. .....lb. .1550- .1610
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacem't, dms. ret.lb. .1310- .1510
tankcar, Zone 2.....lb. .1270- .1470
tankcar, Zone 3.....lb. .127 - —
Lubricating,[1] at refinery, ex-tax, California, neutrals, pale, 200-300 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 2 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .33
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers .....lb.11.50 -15.00
Menhaden,[1,5] crude, tanks, Balto..lb. .089 - —
light-pressed, ret. dms....lb. .1260- —
tanks .....lb. .1180- —
ref'd, alkali, ret. dms....lb. .1360- —
kettle-boiled, ret. dms....lb. .1460- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[5] exp., dms....lb. 14¾- —
Neatsfoot, 15°, c.l., bbls....gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls. .....lb. .18¼ Nom.
Neroli, bots.....lb.220.00 -275.00
Haitian, dms .....lb.240.00 - —
Nutmeg, dist., cns., dms.....lb. 5.00 - 5.25
Oiticica,[1] liquid, dms.....lb. .20½- .20½
tanks .....lb. No stocks
Oleo,[5] 1, bbls.....lb. .13¾ Nom.
Olibanum, bots. .....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks.
edible,[1] Calif., ¼%-3% f.f.a., dms..gal. 4.30 - 4.80
imported, dms.....gal. No stocks.
foots, dms. .....lb. No stocks.

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THE PRICES ARE *Right* ... THE QUALITY IS OF THE *Highest*

Cyclamal

Amyl Salicylate

Ionone A. B.

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9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, olive, sulphonated, 50% (40% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Brazilian, cns..lb. 1.25 - 1.30
Calif., cns.....lb. 1.45 - 1.75
Florida, cns., dms.....lb. 1.10 - 1.20
Messina, USP, coppers.lb. No stocks.
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots.....lb.97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,8] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 4.25 - 5.50
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind.refy..gal. .12 - —
100-100 vis., 0/10 pour, same basis..gal. .06½- —
10/25 pour, same basis.gal. .03¼- —
350° flash, 100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb.20.00 Nom.
Peanut,[1,8] crude, tanks, mill. lb. .13 - —
blchd., deod., tankcar.....lb. .1501- —
hydrog., tanks .....lb. .1573- .1578
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import, cns.....lb. No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - —
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns., dms. lb. 1.60 - 1.70
Pimento, berry, dms.....lb. 6.90 - 7.00
Leaf, cns.....lb. 4.50 - 4.75
Pine,[1,6] ret., dms., c.l., dlvd. E. gal. .63 - .63½
l.c.l., ret., dms., dlvd. E. gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.25 - 3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal. .....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,8] denat., bulk, c.i.f. N. Y..lb. .1150- —
Red,[8] dist. dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 - —
double dist., ret. dms.....lb. .15¼- .16¼
Saponified, same prices.
Rose, natural, coppers.....oz.30.00 -40.00
Rosemary, Spanish, cns., dms., lb. 1.70 - 2.10
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.00 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,8] tanks, Pac. Coast..lb. .0890- —
light-pressed, ret. dms.....lb. .128 - .13
tanks .....lb. .1225- —
ref'd alkali, ret. dms.....lb. .133 - .14
kettle-boiled, ret. dms.....lb. .1480- .150
Sassafras, artif., cns.....lb. 1.05 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,8] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snake root, Canada, cns....lb. No stocks
Soybean,[1,8] crude, tanks, Decatur..lb. .1175- —
deod., Winter, tankcar.....lb. .1393- —
ret. dms.....lb. .1500- .1540
clarif., dms.....lb. .1296- .1335
tanks .....lb. .1256- —
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dvld. E..lb. .05¼- —
refd., varnish, dms.....lb. .1386- .1406
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm,[6] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.35
Sunflower semi-ref.,[8] tanks..lb. .1430- —
refined, tanks.....lb. .1468- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½ - —
tanks, works.....lb. .04½- —
Tallow,[6] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60½- —
(see acid (see T).
vme, NF, red, cns.....lb. 2.50 - 3.50
hite, cns.....lb. 2.65 - 4.00
Tung,[1,8] dms.....lb. .38 - —
tanks .....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Bourbon, bots.....lb.40.00 -45.00
Whale,[8] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-60 vis., dms., c.l..gal. .38 - —
l.c.l. .....gal. .42 - .45
65/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l..gal. .39 - —
l.c.l. .....gal. .45 - .48
95/105 vis., dms., c.l...gal. .44½- —
l.c.l. .....gal. .50½- .53½
125/135 vis., dms., c.l...gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 bis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63½
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .75
San Francisco, 55, 70 and 85 vis., ret. iron dms., 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54½
Oil, white mineral, USP, San Francisco, 145 vis., 65 dms, gal. .57 - —
64-1 dms.....gal. .59 - .63
180 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62½- .65½
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North. cns. lb. 6.50 - 8.50
South, cns. .....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. No prices.
Wormwood, cns.....lb. 5.00 Nom.
Ylang-ylang, Bourbon, bots..lb.40.00 -45.00
Oleostearin,[1] bbls.....lb. .2054- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
Olivine, lumps, same basis...ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb.13.00 - —
25-lb. lots .....lb.13.25 - —
smaller lots .....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroaniln toner,[1]..lb. 1.05 - —
Lake, Persian,[1] bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points .....lb. .12 - —
Orange, mineral, Amer., bbls., smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc. .....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points.....lb. .12¼- —
Molybdate,[1,8] bbls.....lb. .41 - —
Orthonitroaniln toner,[1] kgs., works..lb. .80 - —
bbls. .....lb. .80 - 1.05
Orange peel, bitter, Haitian, bgs., lb. .11 - .11½
sweet, bls.....lb. No stocks
Oregano, Mexican, curly leaf, bgs....lb. .09½- .10
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .80 - .85
powd., bbls., bxs.....lb. .85 - .90
Portuguese, bls. .....lb. .45 - .46
Verona, bls. .....lb. 1.25 - 1.30
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms. .....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol,[3,8] 30.4°C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0°C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorocenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroaniliu, dms. .....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls....lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots .....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.25 - 2.60
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.25
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Chilean, good, bgs..lb. .26 - .27
Portuguese, choice, bgs.....lb. .38½- .39
extra fancy, bgs.....lb. .37¾- .38¼
good, bgs.....lb. .34 - .35
Spanish, fancy, bgs.....lb. .43 - .44
good, bgs.....lb. .36 - .37
fair, bgs.....lb. .32 - .33
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[8] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .13
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0520- —
122-124 ASTM, same basis, lb. .0520- —
125-127 ASTM, same basis, lb. .0560- —

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Freshness
Uniformity

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U. S. P.

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Producing Plant: Exchange Lemon Products Co., Corona, California

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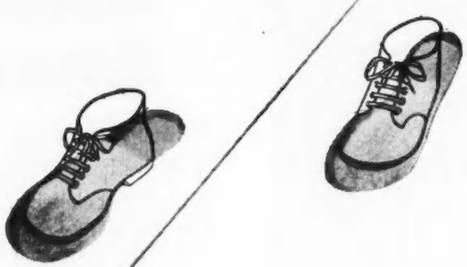
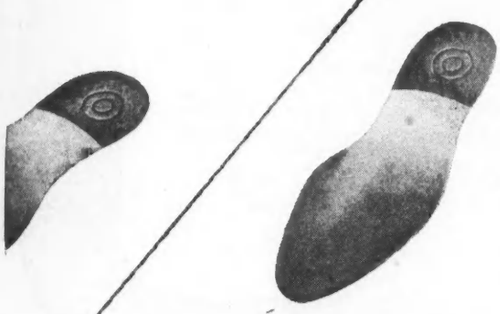
Paraffin, fully ref'd., slabs, loose, 127-129 ASTM, same basis	lb.	.0585- —
128-130 ASTM, same basis	lb.	.0585- —
130-133 ASTM, same basis	lb.	.0615- —
132-134 ASTM, same basis	lb.	.0640- —
135-137 ASTM, same basis	lb.	.0715- —
140-142 ASTM, same basis	lb.	.0810- —
146-148 ASTM, same basis	lb.	.1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.		
Paraformaldehyde,[8,9] dms., 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works	lb.	.12 - —
and 10-gal. dms., works	lb.	.15 - —
USP, cns., cbys	lb.	.35 - .45
Paranitroaniln, kgs., works	lb.	.43 - .45
Paranitrochlorobenzene, k g s., works	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, t e c h., kgs.	lb.	2.00 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.48 - —
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .25
l.c.l. same basis	lb.	.21 - .26
Passion flower herb, bls.	lb.	No prices
Patchouli leaves, bls.	lb.	.34 - .35
Pectin, bbls.	lb.	.85 - —
Penicillin,[8] hospitals, institutions, ampules per 100,000 units.		3.20 - 4.50
for gov. purchases, ampules, per 100,000 units.		1.90 - —
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentachlorophenol, dms., works,	lb.	.20 - .25
Pentaerythritol,[8] CP, bbls., divd.	lb.	.75 - —
less than barrel lots	lb.	1.00 - —
tech., bbls., c.l.	lb.	.29 - —
l.c.l.	lb.	.33 - —
Tetra-acetate, bbls., divd.	lb.	1.00 - —
less than barrel lots	lb.	1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11 - —
l.c.l., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.07½- —
laboratory grade, dms., c.l.,	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gal.	gal.	.55 - —
Pepper, black,[1] 15 tons, bgs.	lb.	.0665 Bid
50 to 100 bgs.	lb.	.0705 Bid
24 bgs.	lb.	.0723- .0740
red, chillies, Carolina, lonss, bgs.	lb.	.28 Nom.
sports, bgs.	lb.	.45 - .46
Congo, bgs.	lb.	.25 - .26
Louisiana, sports, bgs.	lb.	.45 - .46
longs, bgs.	lb.	.28 - .29
Mombassa, bgs.	lb.	.20½- .21
Niger, fair, bgs.	lb.	.18½- .19
Sierra Leone, bgs.	lb.	.22½- .23
Unganda, washed, bgs.	lb.	.21 - .21¼
white,[1] 15 tons, bgs.	lb.	.1161 Nom.
24 bgs.	lb.	.1295 Nom.
Peppermint, USP, bls.	lb.	.60 - .70
import, bls.	lb.	.90 Nom.
Perchlorethylene,[8] d m s., c.s., works, frt. alld., Zone 1	lb.	.0782- .0800
l.c.l., same basis	lb.	.0832- .0850
Zone 2, dms., c.l., works, frt. alld.	lb.	.0832- .0850
l.c.l., same basis	lb.	.0882- .0900
Zone 3, dms., c.l., works, frt. equald.	lb.	.0882- .0900
l.c.l., same basis	lb.	.0932- .0950
Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock point	lb.	.0882- .0900
l.c.l., same basis	lb.	.0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 - —
golden Topax, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, fiber dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
extra amber, fib. dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
cream, c.l., fib. dms.	lb.	.03 - —
l.c.l.	lb.	.04½- —
yellow, soft, fib. dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
white, lily, fib. dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.07¼- —
snow, c.l., fib. dms.	lb.	.06½- —
l.c.l.	lb.	.08 - —
soft, c.l., fib. dms.	lb.	.05½- —
l.c.l.	lb.	.06½- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	.93 - 1.01
Illinois	bbl.	1.37 - —
Kentucky, Union County	bbl.	1.32 - 1.37
Louisiana-Arkansas	bbl.	.86 - 1.20
Oklahoma-Kansas	bbl.	.85 - 1.25
Pennsylvania	bbl.	1.31 - 3.00
Texas, Gulf Coast	bbl.	1.06 - 1.36
North, North-Central	bbl.	1.01 - 1.25
West	bbl.	.70 - 1.12
Panhandle	bbl.	1.10 - 1.22
Savannah, Ga.	bbl.	1.60 - 1.77
Wyoming	bbl.	1.12 - —
Petroleum, ether, laboratory, grade, 30-60° C., dms., c.l., Group 3	gal.	.18 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
35-60° C., dms., c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
40-75° C., dms., c.l.	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
Fuel oil, furnace, tanks, at refinery:—		
Arkansas, No. 1	gal.	.04 - —
Nos. 2 and 3	gal.	.03½- —
California, heavy	bbl.	1.10 - —
light	bbl.	1.20 - —
diesel	gal.	.04 - —
stove dist.	gal.	.05 - —
Group 3, No. 3	gal.	.08½- —
Group 3, No. 5	bbl.	.85 - —
No. 6	bbl.	.80 - .85
Kansas, No. 5	bbl.	.85 - .90
Oklahoma, No. 2	gal.	.03¾- —
No. 6	bbl.	.90 - —
14-16	bbl.	.97 - —
Pennsylvania, No. 1	gal.	.07 - .07¾
No. 2	gal.	.07 - .0805
No. 3	gal.	.06¾- .07¾
36-40 gravity	gal.	.07 - .07¾
bunker C, Baltimore, Md.	bbl.	1.65 - 1.77
Boston, Mass.	bbl.	1.65 - 1.77
Charleston, Mass.	bbl.	1.60 - —
Jacksonville, Fla.	bbl.	1.60 - —
New York, N. Y.	bbl.	1.65 - 2.07
Norfolk, Va.	bbl.	1.65 - 1.77
Philadelphia, Pa.	bbl.	1.65 - —
Portland, Me.	bbl.	1.80 - —
Providence, R. I.	bbl.	1.65 - —
Savannah, Ga.	bbl.	1.65 - 1.77
Wilmington, N. C.	bbl.	1.65 - —
Lacquer diluent, at refinery:—		
California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles,	gal.	.11 - —
Fort Wells, Wash.	gal.	.12 - —
San Francisco	gal.	.11½- —
Willbridge, Ore.	gal.	.12 - —
East Coast, N. J., N. Y., tanks.	gal.	.11½- —
	gal.	.07¾- —
Group 3, benzol type, tanks, toluol type, tanks.	gal.	.07¾- .07¼
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks,	gal.	.10½- —
198-200 b.r., tanks	gal.	.10¾- —
246-397 b.r., tanks	gal.	.10¾- —
312-408 b.r., tanks	gal.	.09 - —
362-458 b.r., tanks	gal.	.09 - —
East Coast, N. J., N. Y.	gal.	.10 - —
Group 3, tanks	gal.	.06¼- —
tankwagon, Baltimore	gal.	.12 - .13
Boston	gal.	.12 - —
Bridgeport, Conn.	gal.	.1630- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Hartford	gal.	.1630- —
Kansas City, Mo.	gal.	.1480- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark (200 gal.)	gal.	.11 - —
New York (200 gal.)	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.129 - —
Providence	gal.	.13 - —
Rochester	gal.	.1320- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.13 - —
Wilmington, Del.	gal.	.13 - —
Naphtha, cleaners, at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.12 - —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks	gal.	.07¼- —
tankwagons, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1280- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 1, over 75% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, over 90% arom., same basis.	gal.	.21½- —
No. 3, same basis	gal.	.22½- —
No. 5, tanks, same basis,	gal.	.228 - —
No. 80, tanks, f.o.b. Kingsland, N. J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
V.M.&P., at refinery:—		
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. 54-77, 310 l.b.p., 310 e.p., tanks, divd. Los Angeles,	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
Group 3, tanks	gal.	.07¼- —
Gulf Coast (divd. New Orleans), tanks.	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1350- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gal.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)	gal.	.25½- —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks	gal.	.07¼- .07½
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.11 - —
East Coast, N. J., N. Y., tanks.	gal.	.10 - —
Group 3, tanks	gal.	.06¾- —
Pennsylvania, w e s t e r n, tanks.	gal.	.07¼- .07½
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12¼- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Xylol solvent. See Xylol petroleum solvent.		
Phenobarbital, 5-lb. cns.	lb.	3.60 - 3.70
dms., 100 lbs.	lb.	3.50 - —
Phenol,[8,9] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.,	lb.	.10 - —
l.c.l., same basis	lb.	.10¾- —
tanks, same basis	lb.	.09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾- .10¼
l.c.l., same basis	lb.	.10½- .10¾
tanks, same basis	lb.	.08¾- .09¼

IMPORTANT FIRST STEPS



To Great Developments!



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Phenol, USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same basis.....lb. .11½- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
yellow, fib. dms., 2,000 lbs...lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, fib. dms., 2,000-lb. shipt..lb. .49 - —
smaller lots, same basis..lb. .54 - —
Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 2.45 - 3.00
Phenylethylphenyl acetate, bots., lb. 5.50 - 7.00
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works....lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.....
long ton. 2.20 - —
70-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l. M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75%-74% b.p.l., M.P.R. 240 provisions, same basis..long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
30%, P_2O_5 minimum, short ton. 2.90 - —
31%, P_2O_5 minimum.. short ton. 3.10 - —
70%, basis 32%, P_2O_5 minimum..short ton. 3.45 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
72%-70% b.p.l., 5½% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30%, P_2O_5, same basis..... short ton. 4.85 - —
31%, P_2O_5, same basis.. short ton. 4.95 - —
32%, P_2O_5, same basis..... short ton. 5.20 - —
33%, P_2O_5, same basis..... short ton. 5.70 - —
Phosphate, defluorinated (see under D).
Phosphorus,[6] red amorphous, cs., lb. .40 - .44
tins, export.....lb. .55 - —
Yellow, dms.....lb. .25 - —
cs.....lb. .28 - .35
Oxychloride,[6] cyls.....lb. .15 - .18
Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[6] cs.....lb. .38 - .42
Trichloride,[6] cyls.....lb. .15 - .16
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .08 - .09½
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.90 - 5.25
Nitrate, bots., vis.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .22 - .22½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. 1.90 - 2.00
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works.....lb. .04 - .06
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .14 - .15
Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs...lb. .80 - .85
Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33
Arsenite,[6] USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[6] bbls., cks., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ¼c. less.
Bromide, USP, gran., 500-lb. bbls., dms..lb. .27 - .31
100-lb. kgs.....lb. .23 - .32
Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .03½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms.....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45% basis, dms.....lb. .08½- .08¾
tanks.....lb. .02½- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
Chromate,[6] bgs.....lb. .24 - .28
Chlorate,[6] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .33¾
powd., 3c. per lb. higher.
Cyanide,[6] dms., works.....lb. .55 - —

Potash fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[6] offered from consignments afloat, subject to safe arrivals..unit-ton. .53¾- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .32
Perchlorate,[6] kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21

Potash prussiate, red, bbls., dms. lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l.....100 lbs.15.25 - —
solution 20° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
20° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powd., bbls...lb. .15 - .21
Prices on granular 4c. higher.
tech., dom., bulk,[6] basis 90-95%, K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Potash sulphocyanide, NF, dms., lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.96
Potash-magnesia sulphate, bulk,[6] min., 40%, K_2SO_4, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .46 - .48
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Berries, bgs.....lb. .23 - .25
Prickly ash bark, bls.....lb. .40 Nom.
Prince's pine herb, bls.....lb. .45 - .50
Procaine hydrochloride, cns., 25 lbs..lb. 8.00 - —
smaller lots.....lb. 8.25 - 8.75

Propane,[6] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice packed in barrels is ½c. per lb higher than the above prices.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 5.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,6] concentrate, dewaxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25

. . . avoid this with
INLAND STEEL CONTAINERS

Products packed in Inland Steel Containers are not subjected to loss through leakage or damage by rough handling. Sealed tightly against contamination by contact with damaging odors or fumes in shipping, your product arrives pure and fresh as the day it was packed.

E-Z seal lever locking ring drum and lug covered pail. Capacities 2 gal. to 55 gal.

INLAND STEEL CONTAINER CO. CONTAINER SPECIALISTS
Formerly Wilson & Bennett Mfg. Co.
6532 South Menard Avenue, Chicago 38, Illinois
PLANTS AT: CHICAGO • JERSEY CITY • NEW ORLEANS • RICHMOND, CALIF.

Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., works, lb. .17 - —
transparent, cs., works...lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .10 - .16
Quebracho extract,* solid, 68%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance, $3.75 per ton..lb. .04¼- .05¼
clarified, 64%, bgs., c.l., same basis..lb. .05⅝- .05⅝
dissolved, 35% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- .0450
ground, bgs., c.l.....lb. .08 - .09
l.c.l., bgs.....c. .0825- .0950
Queen of the meadow root, bgs. lb .11 - .13
Quercitron, crystals, bbls.....lb. .25 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .16½- —
Quicksilver,[1], flasks (76 lbs. net)..flask.105.00 -110.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. 1.08 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13½*
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs..... 1.07 + .13½
Bisulphite, USP, cns., 100 ozs..oz. .69 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Salicylate, NF, cns., 100 ozs., oz. .79 + .13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Quinine valerate, NF IV, 100 ozs. oz. .99 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Surcharge: See note under Quinine.

Quinoline, dms., c.l., works...lb. .24½- .50
Quinine-urea hydrochloride,[6] USP,

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

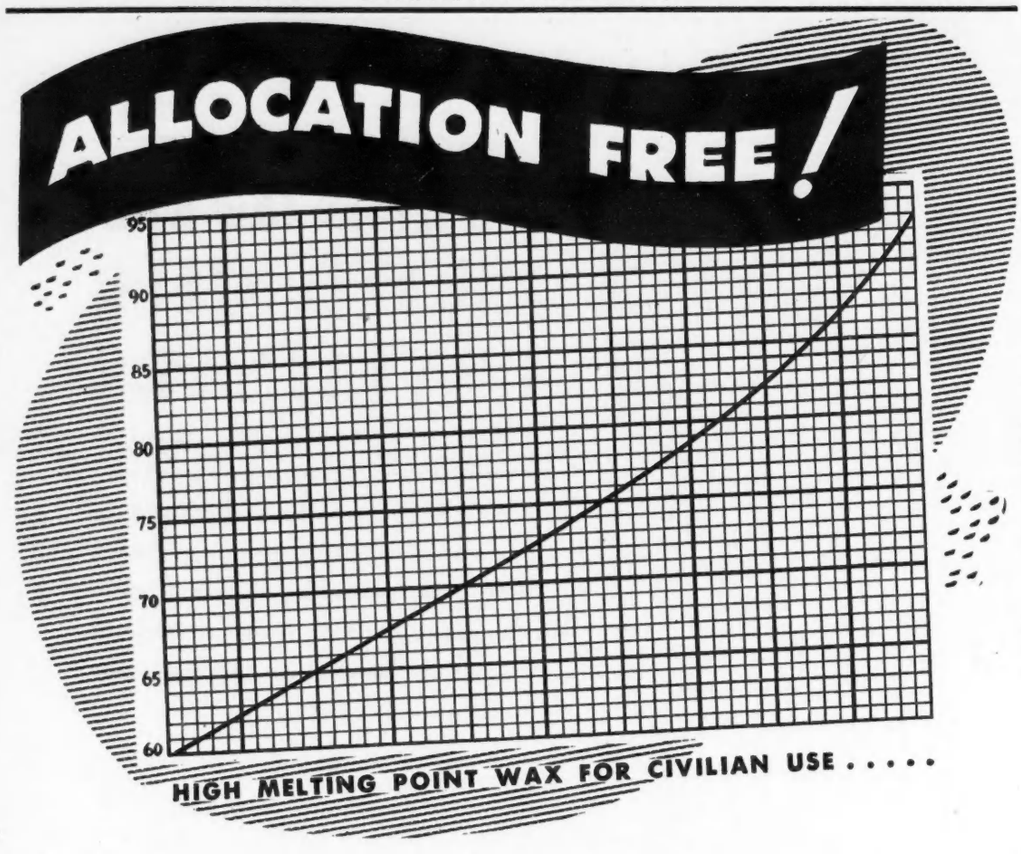
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.

selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Red, carmine, 40, dms., 100 lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works..lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
Indian, 80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls., c.l., l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .09¾
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works..lb. .90 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works..lb. .25 - .28
Lithol - rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots.....lb. 2.02 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 - —
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.25 - 2.35
Red precipitate,[3] NF, powd., fib. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .85 - 2.50
powd., bbls.....lb. .95 - 2.60
Riboflavin, bots., 100 grams..kilo.230.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .09 - .09½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum:—
B, dms., c.l.....100 lbs. 5.45 - —
D, dms., c.l.....100 lbs. 5.67 - —
E, dms., c.l.....100 lbs. 6.10 - —
F, dms., c.l.....100 lbs. 6.18 - —
G, dms., c.l.....100 lbs. 6.20 - —
H, dms., c.l.....100 lbs. 6.20 - —
I, dms., c.l.....100 lbs. 6.20 - —
K, dms., c.l.....100 lbs. 6.20 - —
M, dms., c.l.....100 lbs. 6.20 - —
N, dms., c.l.....100 lbs. 6.55 - —
W.G., dms., c.l.....100 lbs. 6.83 - —
W.W., dms., c.l.....100 lbs. 6.88 - —
X, dms., c.l.....100 lbs. 6.88 - —
Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.98
Rotenone,[1,6] CP, bbls., works, lb.10.90 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .75 - .80

S

Sabadilla seed, powd., bbls....lb. .35 - .36
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.44.00 Nom.
Safrol, cns.....lb. 1.10 - 1.15
Sage,[1] Calif., French type, bls., f.o.b. Pacific Coast..lb. .82 - .85
leucophylla, July-Aug., bgs., Pacific Coast..lb. .55 - .56
Cyprus, good, bls.....lb. .19 - .19½
fair, bls.....lb. .16½- .17
Spanish, bls.....lb. .19 - .19½
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .98
powder, 10c. per lb. higher.
Salt rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
t.c.l.....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla, root, Amer., bls..lb. .25 - .27
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .19½- .20
Sassafras bark, ord., bls.....lb. .38 - .40
select, bls.....lb. .65 - .70



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Impregnole Water Repellent • Luminous Pigments • Metallic Stearates • Metallic Resinates
Petroleum Waxes • Sulfated Oils • Synthetic Detergents • Textile Compounds • Wetting Agents

A midnight phone call that made this into this

THE IDEA for packing coffee in the vacuum can originated in San Francisco about 1900. From this idea came the cone-shaped, 2-pound tin you see pictured above.

The purpose—then as now—was to bring the full flavor and aroma of freshly roasted and ground coffee to coffee drinkers.

To open the can, you cut off the smaller end. Then you slipped a cup-shaped cover, which came attached to each can, over the opened end.

While this method was progress in vacuum packaging, it had many limitations. It was expensive to make and very clumsy to ship, display, and use.

Research Bears Fruit

One midnight in 1920, the telephone awakened a member of the American Can Company. On the other end of the wire was the American Can man who had first pioneered the vacuum can. Twenty years of continuous research and experiment had finally borne fruit.

He had a practical solution for opening a vacuum can and providing a cover for it at the same time. This is the coffee can with the key everyone is now familiar with.

It introduced millions to the original goodness, flavor, and aroma of coffee—*something few people had ever experienced in 1920!*

Come To Us

The present vacuum coffee can is one of the keystones on which the present tremendously increased sales of coffee rests. It resulted from the kind of pioneering and research that American Can has applied to hundreds of packaging problems for hundreds of companies. And it may well be that in working with you on a package for your product, we can produce equally gratifying results.

CANCO

AMERICAN CAN COMPANY

230 Park Avenue · New York 17, N. Y.

Savory, Spanish, bls.....lb. .30 - 31
Saw palmetto berries, bgs.....lb. .20 - .28
Scammony resin, lump, cns..lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33⅜- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.00 - 1.05
Senna, Alex., half leaf, bls...lb. .22 - .28
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, ols.....lb. .13 - .16
Serpentaria root, bls.....lb. .85 - .90
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[1] bonedry, bbls., 1,500 lbs..lb. .42½- —
Boston .....lb. .43¾- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs....lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100.....lb. .3890- —

Shellac, superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.00 - —
l.c.l., same basis.....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis....ton.16.00 - —
Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. 18½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32⅜- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .288 - .338

Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, ctns.....lb. .06 - .08
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .40 - .42
Soapbark, bls.....lb. .11⅝- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .17 - .18
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
l.c.l., dlvd.....lb. .05½- .06
NF, bbls., dlvd.....lb. .09½- .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .03¼- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —

Soda ash, dense, 58%, bbls., c.l., works..100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
buisx, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.13 - —
l.c.l., dlvd. zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., dlvd. zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .43
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l., works.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works.... 100 lbs. 1.85 - —
l.c.l. .....100 lbs. 2.51 - —
kgs., c.l., works....100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.76 - —
Bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., l.c.l., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., wks..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
44°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .27 - .30
fiber dms., works, 100 lbs. lb. .28 - .31
Cacodylate, 5-lb. bots., works. lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda salt).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works.... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate,[6] cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,6] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08¾- .09¼
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhyd., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms.....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, chys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms.lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —

"Naturally" "Yours"

SILLY SYMPATHY SERIES

No. 5 *Swamped But Not Drowned Out*

BICHROMATE OF SODA
Crystals - Granular

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BICHROMATE OF POTASH
Crystals - Granular

Of course we like to be busy, but with the present manpower shortage, paper shortage, machine shortage, parts shortage, and, above all, time shortage, we do wish there also could be a shortage in "rush delivery" orders, priorities, and expediters.

No doubt you have similar difficulties and we appreciate your sympathy. We assure you that "Natural" quality will never be compromised and will be available to all when it's over over there.

NATURAL PRODUCTS REFINING CO.
904 Garfield Avenue, Jersey City 5, N. J.

BICHROMATE Natural OF SODA

Soda Metasilicate,[6] anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis.. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .06¾- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bbls.....lb. .10 - .11
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16¼
l.c.l., works, frt. equald.lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
lb. .19 - —
Pantothenate, dext., 100-gram bots. per gram. .10 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.35
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.35
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald...100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis. 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10¼
spot .....lb. .10¾- —
bbls., contract, works....lb. .10 - .10¼
spot .....lb. .11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..... 100 lbs. 5.28 - 6.10
l.c.l., same basis...100 lbs. 5.40 - 6.60
bbls., c.l., wks., frt. equald. 100 lbs. 5.45 - 6.35
l.c.l., same basis...100 lbs. 5.60 - 6.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .82 - .85
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.18.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride,[6] bbls., c.l., works. lb. .06½- .07
l.c.l., same basis.....lb. .08 - .12
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphathiazole, m e n o hydrate, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)..lb. .19 - .22
Solvent naphtha,[6] dms., wks.gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha, to 2c. per gal..gal. .27 - —
Sorbitol,[6] com'l, dms., works..lb. .17¾- —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .19 - —
100-40,000 lbs., works...lb. .19¼- .19½
less than 100 lbs., works. lb. .23 - —

Sparteine sulphate, bots., ens..oz. 1.80 - 1.90
Spearmint leaves, bls.....lb. .45 - .47
Spikenard root, bls.....lb. .35 - .37
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super. bxs., c.l., wks.lb. .04½- —
Squawvine, bls.....lb. No prices
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .15 - .16
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
Starch, corn, powd., bgs..100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0634- —
l.c.l. .....lb. .079 - —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .06 - —
Iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .22 - .23
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls.....lb. .37½- —
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works..ton.52.00 - —
l.c.l., works.....ton.54.00 - —

Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.50.00 -57.00
Strophanthus seed, Komba, bgs. lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Strychnine, NF, cryst., cns., 100 oz..oz. .70 - —
powd., cns., 100 ozs.....oz .60 - —
Acetate, cns., 100 ozs.....oz. .58 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs. oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs. oz. .58 - —
powd., c..s., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms.....lb. 9.00 - —
Sulphaguanidin, 100-lb. dms...lb. 5.50 - —
Sulphanilamide, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.00
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sesquihydrate, prices same as sulphathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15

Sulphur, precipitated, USP, bbls., kgs..lb. .18 - .20
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
USP, bgs., c.l., works.. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, commi. cyls., works..lb. .07 - .08
multi-unit cars, works..lb. .04*- .06
tanks, works.....lb. .04 - —
refrigeration, cyls, works, lb. .18 - .21
multi-unit cars, works..lb. .04½- .06
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls.....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., b u l k, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ½c., per unit-ton higher

Water Needs Alkalies
CAUSTIC SODA
SODA ASH
CHLORINE
Water is vital to life . . . its coolness refreshes and relieves thirst . . . its purity aids health . . . and its myriad benefits serve the community and industry. Aiding water in its many activities are Solvay Alkalies and related products . . . for in war as in peace alkalies are indispensable.
SOLVAY SALES CORPORATION Alkalies and Chemical Products Manufactured by The Solvay Process Company

Superphosphate, triple 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works. ton.14.50 -34.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs.. c.l.,works.ton.17.50 -45.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
96 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsy'vania, bgs., c.l., works..ton.11.00 13.50
l.c.l., works.....ton.12.00 14.50
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,3] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 35% (24% fat), dms.. c.l..lb. .06¾- —
50% (43% fat), dms., c.l...lb. .06¾- —
50% (48% fat), dms., c.l...lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .14 - .15
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,3] Brazil, bgs...lb. .06½- .07¼
Java, bgs.....lb. No stocks
Tar acid oil,[2,3] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works.....gal. .28½- .29¾
25%, dms., c.l., works..gal. .30 - .—
l.c.l., works.....lb. .32 - .—
Pine, retort, dms., c.l., dlvd. East..gal. .32¾- —
l.c.l., works.....(gal. .29¾- —
tanks, dlvd. East.....gal. .27 - —
Tara, powd.....ton.125.00 - —
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .54
Terpin hydrate, com'l, bbls., c.l. lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms..lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .35 - .50
Terpinyl acetate, extra cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19¼- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachloroethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works. lb.12.50 - —
Theobromine,[1,3] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[3] bots., dms., 100 grams..kilo.180.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast..lb. .86 - .87
Spanish, bls.....lb. .16 - .18½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, bots.....lb. 3.80 - 4.10
dms. .....lb. 3.40 - 3.80
Tikitiki (see Rice bran).
Timbo root,[2,3] (see Cube root).
Tin chloride,[3] anhydrous.....lb. No stocks
Crystals,[3] bbls., bgs.....lb. No stocks
Metal,[1,3] Straits.....lb. .52 - —
Oxide,[3] bbls.....lb. .55 - —
Tetrachloride,[3] anhyd., dms., works..lb. .21 - .23
Titanium dioxide,[1,3] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd.....lb. .15½- .15¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots dlvd.....lb. .17 - .17¼
Titanium dioxide, plain,[5] bgs., c.l., dlvd..lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd.....lb. .15 - .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls.¼c. higher; Pac. cst., ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, dms., works, 55-gal..lb. .57 - —
smaller pkgs., works...lb. .65 - 1.25
technical, 55-gal. dms., works lb .32 - —
smaller pkgs., works....lb .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .26 - —
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnequa, Colo.gal. .28 - —
1° nitration, dms., return, works..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo.gal. .29½- —
Tonga, 30% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,3] USP XII, 100 ozs., oz. .52 - —
Triacetin, dms., works.....lb. .30 - —
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethylene,[6] d m s., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichlorethylene l.c.l. prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .25½- .31½
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] d m s., c. l., frt. alld. in E..lb. .19¼- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18¼- —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[3] bbls.....lb. .31 - .33
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works, ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[2] 98-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs...lb. .12 - .12½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .87½- .87¾
sulphate-wood, dms., c.l...gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .76

U

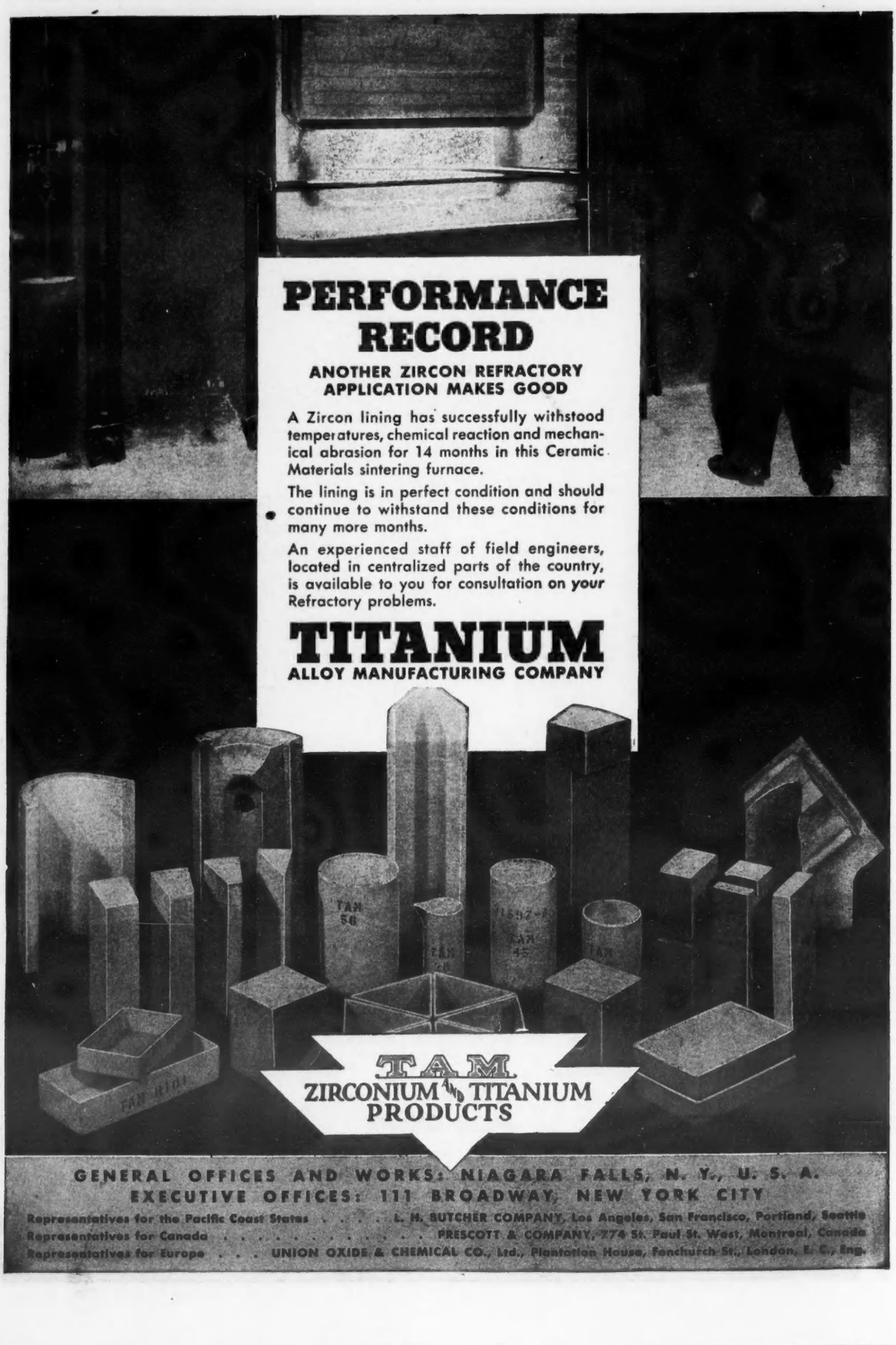
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium[6] oxide, black bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import., pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.50.00 - —
Fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80- —
usual Atla. and Gulf ports, NH_3 ton.116.80- —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .22 - .23

V

Valerian root, NF, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 Nom.
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
Vanillin, makers, primary distrib., tins, ex guaiacol or lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23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ANOTHER ZIRCON REFRACTORY APPLICATION MAKES GOOD
A Zircon lining has successfully withstood temperatures, chemical reaction and mechanical abrasion for 14 months in this Ceramic Materials sintering furnace.
The lining is in perfect condition and should continue to withstand these conditions for many more months.
An experienced staff of field engineers, located in centralized parts of the country, is available to you for consultation on your Refractory problems.
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ALLOY MANUFACTURING COMPANY
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Representatives for the Pacific Coast States . . . . . L. H. BUTCHER COMPANY, Los Angeles, San Francisco, Portland, Seattle
Representatives for Canada . . . . . PRESCOTT & COMPANY, 774 St. Paul St. West, Montreal, Canada
Representatives for Europe . . . UNION OXIDE & CHEMICAL CO., Ltd., Plantation House, Fenchurch St., London, E. C., Eng.

Vinyl acetate,[6] cnys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%...bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .45 - .55
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account....ton.50.00 - —
So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account....per ton.50.00 -55.00
extract liquid, 35% tannin bbls., works..lb. .05 - .06
tanks.....lb. .0450- .05
solid, So. Afr., 62% tannin, ex dock..lb. .0535- .0560
E. Afr., 61% tannin, ex dock, lb. .05225- .054⅜
Wax, amorphous, 160°-165° m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15⅛
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13⅝
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25⅝
180°-185° m.p., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots.....lb. .16½- .17⅛
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15⅝
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .58½- .60⅛
slabs, bgs., ton.....lb. .52½- —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sun-bleachable, bgs., ton..lb. .44¾- —
unbleachable, bgs., ton, lb. .41½- —
ref'd, USP, bricks, bgs., ton, lb. .53½- —
disc., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58⅛
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
Candelilla,[1] crude, bgs., ton..lb. .34½- —
smaller lots.....lb. .35½- .44⅛
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton. .71½- —
smaller lots.....lb. .72½- .81⅛
North Country No. 2, bgs., ton. .75⅝- —
smaller lots.....lb. .76⅝- .85⅝
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83⅛
refined, bgs., ton.....lb. .76⅝- .80
smaller lots.....lb. .77⅝- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93⅛
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91⅛
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton, lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .48½- .51⅝
smaller lots.....lb. .50½- .51⅝
Ouricury,[1] bgs., ton.....lb. .49½- .51⅝
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[3] powd., dms., 40 lbs. or more..lb. 1.98 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
Whiting, chalk, wet-ground, bgs., c.l..ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l., ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 95¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.50 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.13.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.16.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, bls.....lb. .18 - .19
rossed, green, bls.....lb. .23 - .24
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .10 - .12
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant .....lb. 6.50 - —
Wormwood, bls.....lb. .50 Nom.

X

Xanthorrhiza, bls.....lb. .25 - .30
Xylene (see Xylol).
Xylol[2] (xylene), indus.. dms. returned, works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, dms., return, works....gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, dms., return, works....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
3°, dms, return, works....gal. .47 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. dms., Nc. N. J.....gal. .26 - —
Xylidin, mixed, dms.....lb. .35 - .38

Y

Yara yara, cryst., bots., cns....lb. 1.75 - 2.20
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, C.P., bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —

Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.

Yellow, benzidin, bbls., dlvd...lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.55 - 1.40
Yellow, chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —

Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .08 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis..lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .65 - —
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs. lb. 1.83 - —
smaller lots.....lb. 1.85 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¾
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa....lb. .04½- —
l.c.l., same basis.....lb. .05 - —
Yellow oxide, synth, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[4] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .24 - .25
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd..lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13¼
l.c.l., same basis.....lb. .12¼- .13¾
Borate, bgs., c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
Carbonate, tech., rubber makers' grade, bbls., lb. works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works..... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
solution, 50%, dms., c.l., works lb. .0315- —
l.c.l., works.....lb. .04¼- .04⅛
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Cyanide, kgs., works.....lb. .33 - .37

—*Continued on page 46*

TODAY

"FIRE-PROOFING"

TOMORROW

One important phase of fire-proofing in war, the treatment of life preserver jackets, points the way to the flame-proofing of building tarpaulins and many other textiles in the post-war period.

THE extensive use of textiles in war demanded improved "fire-proofing" technique, as well as more permanent fire-retardant treatments. To meet this demand, our Laboratories developed Zinc Borate-3167 for use in those fire-resistant compositions that also offer resistance to mildew, weathering, water and other solubilizing agents. Zinc Borate-3167 has been widely used to provide flame and afterglow resistance in impregnating and coating compositions for application on canvas, duck, drill, osnaburg cloth and shrimp netting, with highly satisfactory results.

The fabric is impregnated by dipping into the fire-proofing mixture (which includes the color pigments), and then passed through squeeze rolls or doctor blades set to control uniform application and the desired increase in the weight of the fabric. Since the fire-retardant compound is non-aqueous, shrinkage is not a problem.

POSTWAR APPLICATIONS

Our Laboratories are continuing research and development work on the use of Zinc Borate-3167 in paints, synthetic rubbers, and plastics. *Why not investigate the possibilities of using Zinc Borate-3167 in the preparation of such fire-retardant products as paints, building materials, paper, wall boards, floor coverings, draperies, work clothes, aprons and gloves, welders' curtains, awnings, canopies, tarpaulins, upholstery, electric cable sheathing, mechanical rubber goods?*

* * * *

• **An illustrated booklet "Properties and Uses of Zinc Borate-3167, Fire-Retardant" is available on request. Send for your copy today. It offers a possible answer to immediate and post-war "fire-proofing" problems.**

New Jersey Zinc

Development Products Division

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Vol. 146. September 18, 1944 Number 12

Recognition for Business

Business will wisely give ear to these two utterances of the past fortnight:—

I

Reorganization of individual business enterprise for peacetime production is the responsibility of private management. The role of the government is to create the economic setting in which private enterprise may make forward commitments with confidence in the economic structure.

II

Our private economy has to carry the ball on the job of reconversion. The government can help, but the government cannot do the job. It isn't its responsibility to make work, but it is its responsibility to remove every obstruction that might prevent American business from going boldly ahead when that day comes when their plants and facilities and materials can be released from the war jobs.

No; those statements, very encouraging for business, did not come out of last week's meeting of the National Association of Manufacturers. They were not culled from an address by the progressive-minded president of the Chamber of Commerce of the United States. Peculiarly enough, they are not derived from a speech by somebody bent upon effecting a partisan change in the Federal administration.

What makes those two statements especially encouraging to business is that the first was taken from a report by the special committee of the House of Representatives on postwar policy and planning; the second is an utterance of the new directing head of the War Production Board.

Expressions such as those, by public officials, present business with an immeasurable opportunity to take its rightful place in the planning and the effecting of its transition from the needs of war to the desires of peace. They denote gratifying recognition of the fact that the economy is primarily a function of private enterprise. They imply a belief that business is fully aware of that fact, but that it has failed to prove it to the satisfaction of the public at large. The implication is there that government has taken advantage of that shortcoming and that business must provide an adequate substitute for government in the role which, to an extent at least, it has assumed. There is a hint that government may have been arrogatory or usurpative. But, business, if it be wise, will recognize that government has a part in the economy and that opportunity was afforded for it to overstep desirable bounds.

When public officials, especially legislators, go that far to present business with an opportunity to restore the economic equilibrium which war has, at least, helped to disrupt, the leaders of business will be sadly delinquent if they are not ready with a plan, a policy, and a program which will square with everything that such an opportunity means today—not what it might have meant twenty-five years ago.

—O-P-D—

Lopsided Price Policy

Business as a whole must be watchful and up-and-doing if it would escape the penalties which are inseparable from the objectives of pressure groups that clamor for governmental aid in making the business structure still more lopsided. An indication of this need is to be found in the congressional surplus property agreement that sets agricultural products in a class apart, with a price floor and a market ban which continue the war restrictions laid on the Commodity Credit Corporation. This thing of having a floor under part of the price structure but no ceiling, and no floor under the part that has a ceiling certainly is a peculiar sort of application of the equality pronouncements of the constitution.

The lopsided congressional agreement is not merely a "happenstance." A grange master had this to say along about the time that agreeing was heading up:—

As agriculture will not be in a position to set its prices in the very near future, it appears that the only alternative is a continuation of price controls on manufactured articles for some time.

—So, it may be expected that the ceiling at the other end of the house will stay, whether or not there is a floor under the farm side.

Such congressional sideslips give no consideration to the relative positions of prices. When the pressure is on, it matters not that the prices of farm products were upped 2.9 percent over the past year, in comparison with a 2.3 percent boost of the general wholesale level, including a hoist of 5.9 percent in the price of fuels, which hits the farmer very slightly. It is nothing to the pressgang of lawmakers that the price of cotton was elevated 4.3 percent, while textiles were made but 2.5 percent dearer. They have no care that grains are bringing 4.4 percent more, while fertilizers and farm machinery together are but 0.1 percent higher—fertilizers being cheaper.

It may be that simple arithmetic and plain logic have been overwhelmed by sophistry and astronomical calculating. But, that does not justify lopsided legislating, and business as a whole must strive to block such consequences; because they, in turn, will breed disaster. A house divided—half floored; half ceiled—will not weather the approaching storm.

Bumming Must Go

In spite of the fact that, largely, but not wholly, because of its part in a very costly war, this country is very, very deeply in debt, the most popular pastime among several groups of its citizens is a competitive struggle to see which can wangle the most money out of the public funds. This struggling has various forms. Its competitive aspects embrace the endeavors of various subgroups—two or three of the agricultural organizations are good examples—as well as the rivalry of basically different interests. The endeavors are directed to all sorts of special helps, subsidies, and the like.

These scramblings at the public trough supplement with an indirect drain upon business—which must provide all the wherewithal of public, as well as private, spending—the more direct, more emphatic, and equally burdensome demands of labor for higher rates of pay and guaranties against unpaid periods, whether of employment or of idleness. The two together are going to cost the funds-providing section of the people another dozen or two billions of dollars over the next few years; unless somehow is developed the public courage necessary to check the growth of bumming.

There is currently a possibility that a third heavy drain on public funds will come as a result of the inability of Congress to steer clear of the vote-getting expediency of a year or two of reconversion pensioning of more or less voluntarily idle "graduates" from warplants. This might be regarded as a phase of the demands of labor that warpay be continued for peacework; but it will not be.

Where is the money going to come from, with which these programs of greater and greater public providing are to be financed? If it is to be raised by taxation, business will die of malnutrition. If it is provided by governmental fiat—there will be no business. So, once more does there come under scrutiny another trend of the times which business must stem. Not all of labor is money-blind. Not all farm organizations are subsidy-seekers. In fact, the majority in both groups knows that something for nothing for me means nothing for something for two or three others. And they are ready to join forces in an earnest endeavor by business management and ownership to eliminate bumming and put individual initiative and industriousness back on its own feet. The hitch is that efficient, satisfactory leadership is not waiting at every corner.

—O-P-D—

Price Maintenance Limited

Last week's order of the Federal Trade Commission discontinuing the Eastman Kodak Company's fair-trade-law contracts designed to maintain resale prices of two types of photographic film presents an aspect of the fair-trade scheme which is frequently overlooked. This is the provision of the Tydings-Miller act which denies its permissive contractual procedure to goods for which there is no substantial competition in class or kind.

The order also revives the still unsettled question of the rights of a patentee over the resale pricing of his patented article. The commission did not raise that issue: there is doubt that patent-rights have any influence on the purview of the Tydings-Miller act. The earlier attack on the Eastman agency system had another base.

This order emphasizes again the long-existent need that the antitrust laws be clarified and correlated with reference to relevant statutory rights.

PENICILLIN PFIZER

AN ACKNOWLEDGMENT

Although we take what we consider to be justifiable pride in our accomplishments in the production of PENICILLIN, we wish to emphasize that these would not have been possible without the whole-hearted cooperation and assistance of the Office of the Surgeon General, the Drug and Chemical Section of the War Production Board, the Office of Scientific Research and Development, the Northern Regional Research Laboratories of the Department of Agriculture, the Food and Drug Administration, the Army Medical Purchasing Office, the Office of Production Research and Development, and other official and semi-official agencies.

Without the backing of the Office of the Surgeon General this program would not have been possible. The Drug and Chemical Section of the War Production Board not only allocated critical materials required in the construction of our plant and production of the drug, but also assisted in obtaining delivery; in addition, it established a program whereby information needed for production was coordinated and made readily available. The Office of Scientific Research and Development played a large part in initiating the PENICILLIN project and in coordinating the work, and provided clinical data concerning the deportment of PENICILLIN. Research work carried out by the Northern Regional Research Laboratories provided solutions for a number of the problems which arose in producing PENICILLIN and had much to do with the success of our program. The Food and Drug Administration assisted in developing suitable methods of assay and control and in studies involving pyrogens, stability, toxicity, etc. The Army Medical Purchasing Office gave whole-hearted support and aided in obtaining critical materials and the manpower required for production. The Office of Production Research and Development sponsored investigations dealing with PENICILLIN production at several Universities and acted as coordinator. Other agencies also gave freely of their time in the carrying out of this project. To all of them we wish to express our thanks and appreciation.

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Heavy Chemicals

Supply conditions were not conducive to a broadening of activity in the heavy chemical market last week. Major consuming industries are covered by existing contracts and withdrawals continued to involve heavy tonnage. An exception could be noted in at least one instance, where a strike at an important aluminum plant and probably the largest individual consumer of light soda ash cut back deliveries to that channel. There was no letup in the call for dense soda ash from the glass factories and producers were pushed to meet this demand. The call for soda ash for shipment to South America increased with no material to satisfy the demand. Soda caustic seemed to better its position but the availability of the different grades kept the supply condition decidedly irregular. Soda cyanide remained in a critical supply position due to low production inspired by the difficulty in securing metallic soda and a demand far above the supply level. Enough potash permanganate was pumped out to cover government and essential requirements but there was no loosening of the open market. The prospective outlook was better, however, as producing facilities are being increased through the addition of a new plant now well under construction with outlook favorable for operating soon after the turn of the year.

Preliminary figures indicate that the agricultural consumption of copper sulphate this year was slightly below that of 1943. The loss was attributed to drought which had a devastating effect on crops in several areas. A new consuming channel for copper sulphate as a fertilizer chemical is gaining prominence. This material has been used effectively in the cultivation of citrus fruits, tobacco and onions. It is claimed that if the use of copper sulphate develops for tobacco cultivation, the yearly consumption will be doubled.

Paper production as a percentage of six-day capacity was 75.8 in the week ended Sept. 9, according to the American Paper & Pulp Association. This compares with 92.8 in the previous week and 74.6 percent a year ago.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Arsenic.—Allocation controls over the distribution of arsenic contained in M-152 were transferred to the general chemicals order M-300 by the Chemicals Bureau of the WPB September 12. M-152 was simultaneously revoked. Controls over production and distribution remain substantially the same under the new order which are embodied in Schedule 46 of M-300.

Aluminum.—This material has been made available by WPB for the manufactuer of metal loose-leaf binder parts and units, and mechanical bindings under an amendment to limitation order 4-188. WPB will also discontinue allotting aluminum in the eight specified forms and hereafter will use the word "aluminum" to indicate any and all of these forms. This action was taken by issuing directive 56 to controlled materials plan regulations 201.

Ammonia.—Diversion of ordnance anhydrous material for military use has been reflected in a tighter market. The fertilizer trade formerly took all the surplus left over from the hot weather period. There is no surplus this year and manufacturing industries are taking all of the commercial production. Ammonia gelatin was erroneously included by DFC in the list of surplus chemicals for sale, published in *OPD* August 21. This explosive is not a surplus commodity among government supplies.

Barium Chemicals.—Under MPR 543, an amendment has been added which states in part that general administrative and selling expenses per unit means general administrative and selling expenses per unit as they existed during the first six months of 1944, or as of the date an application for adjustment is filed, whichever is lower. Notwithstanding limitations on the amount of adjustment heretofore indicated, no adjusted price shall exceed factory or total cost per unit if historically applicant has sold such barium chemical at not more than factory or total cost per unit. Amendment became effective September 13, 1944.

Copper.—War Production Board revoked the copper chemicals allocation order M-227 September 12 and transferred allocation control over the material to general chemicals order M-300. The small order exemption per person per quarter is 4,000 pounds of copper sulphate, 1,000 pounds of copper carbonate, 1,000 pounds of cupric oxide, 1,000 pounds of copper chloride, and 1,000 pounds of copper cyanide. The small order exemption for cuprous oxide is 75 pounds per quarter, but this may only be delivered to and accepted by laboratories and suppliers principally engaged in supplying laboratories, and may be used only by laboratories. According to advices from Mexico, a subsidy equivalent to the amount of the export tax has been granted on copper exported from Mexico by a company in lower California, under an executive resolution effective since the beginning of the year.

Copper Carbonate.—Shipments for government use for the prevention of mildew have taken the major part of production. Some copper sulphate has also been used for this purpose.

Copper Oxide.—Practically out of the market. Production has been routed to government shipyards for the manufacture of marine paint.

Copper Sulphate.—Preliminary estimates on the amount used for agriculture this season indicate a slight decrease compared with 1943. Production has been speeded up to create a stockpile for next year and producers are facing the problem of how to expand output in order to meet requirements at home, liberated countries and Latin America. Export demand is expected to be heavy particularly for the banana plantations of Central America and the grape vineyards of France. Meanwhile, Washington authorities are figuring out how much material may be exported without pinching home requirements. An interesting sidelight was revealed in the use of copper sulphate as a fertilizer. It seems that the Michigan experimental station is the originator of this idea and according to an official of Department of Agriculture, it has been found most helpful in the growing of onions. Use of copper sulphate as a top dressing and working it into the soil at planting time produces the finest kind of a skin on onions. Experiments have been conducted by using 30 to 40 pounds per acre. In Florida there has been a steady increase in copper sulphate consumption as a fertilizer for citrus fruit trees. It is reported that following the experimental stage, consumption for fertilizer of 1,250,000 pounds in 1938 in that State has increased steadily and that in 1944 some 5,000,000 pounds were consumed in fertilizer operations.

Manganese Sulphate. — Production has continued insufficient to meet consuming demand and shipments are considerably behind contract schedules. New business is temporarily out as far as immediate shipments are concerned.

Nickel Sulphate.—Supply situation has tightened under continued buying for government use, covering catalytical requirements and military plating.

Potash Permanganate. — Production has continued to meet all military requirements and the most essential civilian wants. These shipments have kept the supply situation definitely tight and no easement is anticipated

For Current prices see alphabetical listing beginning on page 9.

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until production facilities are increased. Efforts to enlarge output are progressing but it will probably be six months before the market will feel the influence of expanded production.

Soda Ash.—It was difficult to discern much change in the supply situation. A strike at one of the largest consuming plants in the West had a tendency to curb shipments of light ash in that direction but there was no relaxation in the call for dense ash from the glass industry and the market held a definitely tight position. Meanwhile there was an active export inquiry from South America which could not be satisfied because the material was not available.

Soda Caustic.—Expanded production of rayon mills accounted for an exceedingly heavy movement of soda caustic. Steady production was not sufficient to ease the buying position and combined shipments prevented any visible improvement in the supply situation.

Soda Cyanide.—WPB has issued a special interim provision which states that use, delivery and acceptance of delivery prior to October 1, 1944, will be authorized on the basis of application filed in the form prescribed in order M-366 (revoked). Any person who received soda cyanide prior to Sept. 8, 1944, under the small order exemption of order M-366 may use it without restriction under this schedule.

Acids

Acetic.—Production sustained at a level to meet demand without difficulty. Reported that all essential requirements are being satisfied through WPB allocation.

Hydrofluoric.—Recent increase in production has kept the supply in position to meet the heavy call for the anhydrous grade moving steadily for use in the manufacture of aviation gasoline. No shortage of the other grades reported.

Nitric.—Diversion of all ordnance made acid into channels for military use has tended to increase the demand for industrial made material. The market is firm with some increase in activity noted.

Oxalic.—Supply position definitely tight under the sold ahead condition of output. Heavy shipments for essential miscellaneous requirements are preventing any accumulation of reserve stocks. There was no indication of easement in the near future.

Sulphuric.—Demand has increased for this material from two major consuming industries. Demand for aviation gas production is heavy, while the superphosphate producers are expressing difficulty in securing enough acid to keep up with expanded program as suggested by the government. The shortage has been intensified more at out of town areas than in local territory.

Insecticides

Conservation order M-133 controlling the distribution of rotenone was revoked September 12 by the War Production Board and allocation control was transferred to the general chemicals order M-300. All production involving the use of rotenone must now receive WPB authorization. Prior to the current amended order, persons were permitted to manufacture or process insecticides containing a maximum of one-half of one percent of rotenone without specific permission from WPB.

Pyrethrum control order M-179 was revoked by the War Production Board September 12 and allocation of the material was placed under control of the general chemicals order M-300. Under the new order, allocation will remain substantially the same as under the revoked order, but a one pound monthly small order exemption is now permitted when pyrethrum is to be used for experimental purposes.

GR-S Compounds Research Results Are Reported

Research recently conducted at the research laboratories of the National Lead Company, New York, was reported to have established that litharge activated GR-S compounds can be achieved with far superior aging properties with desired curing rate, stable over an extremely wide curing range, and with improved heat build-up. This has been accomplished, it is claimed, by using litharge as an activator for thiazole or thiruam accelerators with low sulphur.

Sloan of Goodrich To FEA Cairo Post

Dr. Arthur W. Sloan, rubber chemicals research chief for the B. F. Goodrich Company, is leaving for Cairo, Egypt to take up his duties as chief of chemical allocations in the Middle East for the Foreign Economic Administration. He expects to return to the company at an early future date. Mrs. Sloan will accompany him.

Dr. Sloan has been with the Goodrich Company since he received his doctor's degree from Harvard University in 1926. He also received his master's degree there, following his graduation as a bachelor in chemistry from the University of Illinois. He has held various administrative posts in the research division of the company.

Penna Salt Contract With DPC Raised

Pennsylvania Salt Manufacturing Company, Philadelphia, has increased its contract with the Defense Plant Corporation, to provide additional equipment at a plant in Cornwall Heights, Pa., at a cost of approximately $110,000, resulting in an over-all commitment of approximately $3,000,000. Pennsylvania Salt will operate these facilities, title remaining in Defense Plant Corporation.

General Chemical to Operate DPC Arkansas Plant

OPD Washington Bureau

Jesse Jones, Secretary of Commerce, has announced that Defense Plant Corporation, RFC subsidiary, has authorized the acquisition of machinery and equipment for a plant at Hurricane Creek, Arkansas, at a cost of approximately $450,000. These facilities will be operated by General Chemical Company, New York, title remaining in Defense Plant Corporation.

Baker Pushes DDT Project

The J. T. Baker Chemical Company, Phillipsburg, N. J., has completed the pilot plant stages of its DDT operations. Plant equipment is now being installed to carry forward this production on a large-scale basis. The entire production will be taken by the armed services.

Corporation Earnings

International Minerals & Chem. Corp.

	1944	1943
1 year, June 30	$2,016,037	$2,081,738
Per share	3.11	3.23

Republic Petroleum Company

6 months, June 30	47,932	79,926
Per share	.12	.22

United Wall Paper Factories

1 year, June 30	526,907	394,792
Per share	.41	.30

Industrial Rubber Products Cataloged

Produced especially for designers of Industrial equipment as well as consumer products, the B. F. Goodrich Company, Akron, Ohio, has just issued a general booklet on its industrial rubber products, which can now be obtained upon request.

Turbine Cleaning Manual Published by Shell

A new booklet, "Turbine Cleaning Manual," has just been published by the Shell Oil Company, New York. It describes for the turbine operator a new technique for the solvent cleaning of turbines by the use of Shell turbo cleaner, recently developed.

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U. S. Fertilizer Plan

—Continued from page 3

fixed nitrogen capacity of about 1,000,000 tons, plus a substantial reserve capacity to meet unanticipated demands, either military or civilian.

In commenting on the report Secretary Wickard noted that operation of some of the plants for fertilizer production would continue a practice that has developed during the war under which surplus army ordnance-plant ammonia has been diverted to the production of fertilizers, substantially increasing the supply of nitrogen fertilizers available for use on 1944 crops. He added:—

These recommendations represent sound public policy. Their adoption would help to assure farmers enough nitrogen fertilizer to meet their demands at reasonable prices after the war, enable the people to realize beneficial peacetime results from the public money invested in chemical war plants, and in case of emergencies to provide nitrogen for explosives without jeopardizing the nation's food supplies.

In order to take up the shortage in nitrogen supplies for war, the government has built nine synthetic ammonia plants at a cost of more than $200,000,000, with a combined capacity of about 750,000 tons of fixed nitrogen annually.

Prices of Fertilizers

The report says that lower prices on fertilizer nitrogen are "generally expected," under the influence of "the general price level, government price policies, and the international or world price." It points out that, in spite of greatly increased productive capacity, there are "no known technical developments that have reduced production costs," these actually having been increased for a given rate of production by higher costs of materials and labor.

With reference to future prices, the report, again emphasizing ammonium nitrate and giving it a retail markup of 23.6 percent against 45.8 percent for ammonium sulphate and sodium nitrate, contains the following statement:—

It seems possible that fertilizer nitrogen prices may be reduced to about 1934-36 levels if we assume good competitive conditions but no subsidization of production by government. In fact, the May, 1944, reduction in the prices of ammonia solutions has already brought the price of that important class of nitrogen materials to the 1934-36 price level. If corresponding reductions are made in the price of solid nitrogen fertilizers, the following wholesale and retail prices might be expected:

	Wholesale, bulk		Retail, cash	
	Unit	Ton	Ton	Lb. N
Sodium nitrate, 16% N.....	$1.50	$24.00	$35.00	10.9c.
Ammonium sulphate, 20.5% N	1.17	24.00	35.00	8.5c.
Ammonium nitrate, 32.5% N	1.17	38.10*	47.10	7.3c.

* In bags.

These data indicate a retail price of 7.3c. per pound of nitrogen in ammonium nitrate. This compares with 13.1c. in sodium nitrate at 1944 prices or with 10.9c. at the assumed price. It is evident from the data that low-cost nitrogen fertilizers on the farm depend on the successful production of high-analysis nitrogen fertilizers, such as ammonium nitrate, and their acceptance by the farmer.

The report summarizes the recommendations of the group as follows:—

1—The United States ought to be prepared to supply up to 1,200,000 tons of fixed nitrogen for civilian consumption.

2—Plants of a combined capacity of 300,000 tons N now operated by the government should be converted to meet probable civilian consumption.

3—Conversion of some of the plants for the production of granular ammonium nitrate should be started as soon as possible.

4—All other government synthetic ammonia plants should be held as a part of the nation's military equipment

Fred Palmer Recuperating

After spending two weeks in a hospital following a spinal operation in August, Fred H. Palmer, jr., of the Palmer-Schuster Company, Cleveland, Ohio, is recuperating in the Hotel Cleveland. He expects to get back to the office this week, meanwhile he is officiating from his hotel quarters.

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Textile and Leather Chemicals

While trading in textile and leather chemicals was restricted to actual requirements during the week, the market continued firm. Inquiry for future requirements lacked improvement, but conditions at primary centers were strong. Offerings for shipment were still limited and the trend of values was upwards due to higher production costs.

A firmer market for wattle bark and extract, was indicated by cable advices from South Africa with producers advancing quotations for both products and withdrawing offers for shipment until their petition requesting the Price Controller of South Africa to make the higher prices official was granted.

The prospect of obtaining shipments for the replacement of limited stocks of tapioca flour in this country from Brazil and San Domingo were far from bright according to advices from those countries. Production in Brazil has been greatly curtailed by drought which has partially destroyed the roots. Transportation from interior producing sections has been affected by the lack of manpower, gasoline and bags. Inflation has increased costs and the price trend of shipments has been upwards. Offers for shipment have been reduced from fifty to seventy-five percent and the scarcity of shipping space has delayed exports from three to six months. Reports from San Domingo indicate a small production, the bulk of which has been diverted to the foodstuffs trade because the price differential has not favored exporters.

The Combined Raw Materials Board has announced that arrangements have been made regarding the allocation of supplies of raw goatskins, East India tanned goatskins and East India tanned sheepskins between the United States and the United Kingdom.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
267.9	267.9	266.3	271.9

Chemicals

Alumina Chloride.—Moderate quantities moving into consumption. Market continued firm with prices ranging from 9 cents to 12 cents per pound in drums, works, depending upon quantity.

Soda, Bichromate.—No easement in the supply conditions. Demand absorbing the bulk of production. Prices firm and unchanged.

Soda, Hydrosulphite.—Inquiry has improved and larger quantities were taken for immediate requirements. Market was unchanged and steady.

Zinc Dust.—Conditions remain firm. Trading fairly active. Consumption continued to absorb the bulk of the output.

Dyestuffs

Fustic.—Routine trading continued for immediate delivery. Market unchanged and firm. Stocks were not liberal, but adequate to satisfy demand.

Logwood.—Conditions were unchanged. Trading was moderate and mainly for prompt delivery. Quotations were well held.

Sizing Materials

Albumen, Blood.—Market conditions remained steady under a good buying inquiry. Prices were well held at former levels. Shipments were moving promptly due to increased production. Soluble dried blood was in moderate request.

Albumen, Egg.—Supply situation continued tight with holdings being reduced steadily. Demand active for delivery against standing contracts. Offerings were restricted to limited quantities. Prices were firm at ceilings.

Corn Sugar.—Consumers in the market for material. Production was restricted due to the manpower shortage, and deliveries were about two months behind schedule. Prices were firm.

Dextrin, Corn.—The tight supply situation previously described continued to be noted in this market. Demand continued active, exceeding the supply. Lack of manpower affecting the output.

Egg, Yolk.—Firm conditions featured this market. New business was active, with business restricted due to limited supplies. Prices were strong.

Starch, Corn.—Steady movement going forward against standing contracts. Demand has slackened during the past two weeks, enabling producers to catch up with deliveries. The market was steady at current quotations.

The Department of Agriculture estimated the corn crop as of September 1 at 3,101,319,000 bushels, as compared with 2,929,117,000 bushels the previous month and 3,076,159,000 bushels harvested in 1943. The 1933-42 production 10-year average was 2,369,384,000. The report stated crop prospects continued to improve during early part of September and further improvement is expected should frosts hold off.

The grind of eleven refiners of starches, syrups, sugars and other derivatives of corn for the month of August totaled 9,708,196 bushels as compared with 10,213,782 bushels last year.

Visible supply of corn decreased 833,000 bushels for the week ended September 11 reducing stocks to 9,514,000 bushels, comparing with 9,146,000 bushels a year ago, according to the Chicago Board of Trade.

Starch Potato.—Inquiry for forward requirements has improved. Market remains in a firm position with trading for moderate quantities going forward steadily at former levels. This season's production prospects have improved and the output was expected to meet requirements for the coming season. Ceiling prices were maintained.

Tapioca Flour.—The tight supply situation in this product has been intensified owing to the inability of obtaining replacements from San Domingo and Brazil. Quotations were merely nominal at 6¾ cents to 7 cents per pound, according to quality, on spot. Advices from Brazil state that material for shipment was difficult to obtain from interior points owing to the shortage of manpower and gasoline. Production has also been materially curtailed by drought and prices were tending higher due to increased costs. Scarcity of shipping space has been another deterrent in the supply situation with shipments to the United States delayed in many instances from three to six months. Recent receipts were light and for delivery on prior orders. Reports from San Domingo stated that the bulk of the small production of tapioca flour was being diverted to foodstuffs. Offerings for shipments abroad were extremely light.

Tanning Materials

Divi-Divi.—Although offerings of divi-divi were more liberal for shipment from primary centers, buying interest continued at low ebb. The market continued firm at former levels.

Mangrove Bark.—Conditions in this market retained a firm tone. A tight situation continued in shipments from production points. Prices were strong.

Myrobalans.—There was little improvement in the demand, though offerings for shipment were freer.

Quebracho.—Withdrawals of extract continued in good volume on allocations. Supplies were liberal. Prices were well held.

Wattle Bark.—Advices from primary centers report shipments firmer. Producers of extract have advanced ideas about $6 per ton due to increased production costs and were awaiting action on their petition to the Price Controller of South Africa to grant permission to make higher prices official. Trading was slow.

For Current prices see alphabetical listing beginning on page 9.

Textile Chemists To Meet Oct. 12-13

The annual meeting of the American Association of Textile Chemists and Colorists will be held in the Hotel Clairidge, Atlantic City, October 12 to 15. Five groups of technical papers, covering every aspect of the textile industry, will be discussed.

The first group of papers will deal with textile testing. The second and third groups will cover new developments in cotton and wool, respectively. The other groups will include talks on the finishing of hosiery, on tropical damage to textiles, on a general review of resin finishes and on synthetic fibers.

Starch Uses Discussed

"Amioca" is the title of a booklet compiled by the technical departments of the American Maize-Products Company, New York, National Starch Products, Inc., New York, and Stein, Hall & Co., New York. The purpose of this 16-page multi-colored booklet, according to the sponsors, is to equip manufacturers, laboratories and chemists with the background information needed to visualize new uses for "Amioca" products, many of which are expected to represent entirely new fields of s arch application.

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Coaltar Chemicals

Basic coaltar supply conditions showed further evidence of tightening last week. Production was possibly slightly lower, while the call for military use expanded and forced limitations on the amount of material available for civilian requirements. The critical supply situation in benzol, naphthalene, toluol and xylol is due primarily to the diversion of production to essential military uses and the pressure for shipments during the past few weeks has been intensified. It was conceded that a speedy culmination of European hostilities might bring about a drastic revision in the situation, but in the meantime the cutback in civilian supplies has created a difficult buying proposition.

Backed by a strong fundamental position, the derivatives have shown no sign of relaxing. Short stocks have been commonly reported in the acids, colors, intermediates and solvents. Production of these commodities has been aggravated not only by the inability to secure sufficient basic material, but by government restrictions and the increasing manpower shortages.

Steel operations for the week beginning September 11 were scheduled at 94.2 percent of ingot capacity, compared with 95.5 percent for the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 96 percent. The current schedule is equivalent to a production of 1,687,400 net tons of ingots and castings, compared with 1,710,700 tons for the preceding week and 1,736,000 tons for the corresponding week in 1943. It was suggested the decline last week was widespread, and was possibly due to repairs.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Basic Products

Benzol. — Heavy withdrawals for military use have kept the supply short for civilian requirements. Heavy production has not eased the situation and a definitely tight supply condition is expected until the call for military use subsides.

Coaltar. — Supplies were available for essential and specific requirements and enough was shipped for use as fuel to relieve conditions at points where other fuel oil was short. Production remained at a level which compared favorably with a year ago.

Creosote Oil.—There seemed to be enough material available to meet the current extent of demand. Buying interest continued fair but not so urgent as noted in some of the other basic coaltar products.

Cresols.—Requests for use in the manufacture of plastics, textiles and disinfectants continued to reach the market in liberal volume while a steady miscellaneous call was also reported for various quantities. While most industries were granted part of requests, the supply was not sufficient to cover all uses.

Cresylic Acid.—Situation similar to cresols, WPB allocating material in part where essentially needed.

Naphthalene.—WPB did not allocate any refined naphthalene for moth repellent or insecticide repellents for early September shipment although a small quantity was made available for agricultural insecticides. The basic market retained a definitely firm position with demand exceeding the supply limit.

Phenol. — Plastic, chemical and medicinal manufacturers were well represented in the week's market movement. Supply situation capable of meeting a large part of requests.

Pyridin.—No relaxation in the call for use in the drug, dyestuff and disinfectant industries. Supply situation tight and definitely tight in the refined grades.

Toluol.—Increased shipments of this material for military use has cutback the civilian supply substantially. Not much chance of easement for the duration of European war.

Xylol.—Aside from shipments for government use, demand remained unabated for plastics, dyes and intermediates. Material moved out as rapidly as produced keeping supply situation tight.

Chicago, Sept. 15.—Call for coaltar bases is in good aggregate volume. With offerings limited, the undertone of the market remains firm, and indications are that a generally firm market situation is continuing. Benzol is in good demand. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—Buying interest reported fairly active. Demand was not confined entirely to manufacturers of resinous materials. There was enough buying for other uses to hold the market steady and check any tendency toward an accumulation of excess stocks.

Cyclohexanol. — Market maintained a steady position under an improved demand. Buying interest appeared more diversified while the combined movement tapped stocks of available material and kept the supply at a relatively low level.

Coaltar Acids

Anthranilic.—Little chance of improvement in supply conditions as long as the shortage remains in basic products. Demand sufficient to take material as rapidly as produced.

Broener's.—Firm under a steady demand from regular consumers. Production restricted through labor shortage and tight position of basic products.

Fumaric.—Production eased slightly through recent shipment of maleic anhydride to manufacturers. Demand broad enough to hold market in steady position.

Gamma. — Dyestuff manufacturers have called for this material about as fast as produced. The low extent of available supplies has contributed strength to the market's position.

Maleic.—Market conditions have remained steady under a broad consuming demand. The heaviest call emanated from producers of maleic and phthalic resins, while the synthetic rubber, cellophane and oil industries were well represented in the week's movement.

Picramic.—Call for dyestuff manufacture and military requirements steady and sufficient to hold supply situation tight. No indication of easement from market's firm position.

Sulphanilic.— Production restricted by the shortage of basic materials while demand for use in dyestuffs showed no relaxation. Under these influences the acid market has remained firm.

Other Intermediates

Alphanaphthol. — While producers have been allocated some basic material, the supply was short and production was restricted. An active demand has assisted in maintaining a strong market position.

Anilin.—Heavy demand reported from the dyestuff, chemical and explosive industries featured the market. The critical shortage of the basic product, benzol, has seriously interfered with production of anilin and kept the supply short of consumer requirements.

Benzaldehyde.—Some headway reported in catching up with delayed contract schedules, but demand has continued ahead of supply and buying conditions were definitely tight, fully reflecting the basic situation. Some N. F. material was available for allocation purposes, while the overall distribution was directed by WPB.

Benzidin Base.—Market firm under strength and shortage of basic material. Condition not expected to

For Current prices see alphabetical listing beginning on page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Sept. 9, indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	37,959,120
Benzol	gals.	3,723,838
Coaltar	gals.	14,534,980
Creosote oil	gals.	768,792
Naphthalene	lbs.	1,621,671
Phenol	lbs.	216,922
Toluol	gals.	744,768
Xylol	gals.	168,173

ease until output can be restored to normal dimensions.

Dinitrobenzene. — War industries continued to draw heavily against output and the major part of the week's movement was routed in this direction. Supply condition tight.

Dinitronaphthalene.—Not essentially different from other intermediates derived from a naphthalene base. Short supplies accounted for a steady, tight market.

Dinitrophenol.—Possibly in a little better shape than some of the other intermediates owing to the supply situation in phenol. Shipments to dyestuff industry reported of fair dimensions.

Dinitrotoluene.—Increased deliveries of toluol for military use have limited production of this intermediate supply remained short of industrial demand.

Diphenylamine. — Production restricted by tight position of anilin. Inventories have been well drained to meet essential requirements.

Metanitroanilin. — Anilin shortage reflected in production. Dyestuff demand better than supply leaving market in rather distorted position.

Paradichlorobenzene. — Remained definitely tight and out of the market so far as some producers were concerned. Shipments behind contract schedules with output seriously hampered by diversion of benzene into military channels.

Phthalic Anhydride.—Military requirements were satisfied with WPB sharing remainder of output with essential consuming industries. While the supply situation remained tight, a slight easement in some quarters was reported.

Coaltar Colors

Chemical Warfare Service has 3,102 pounds of colored smoke orange dye (orange 100) for sale. This material cost the government $5,459.52. Those interested are asked to submit bids in duplicate on their own letterheads by 3 p.m., Sept. 20. The material is located at Carney's Point, New Jersey, and contains approximately 1-amino-8-chloro-anthraquinone, 85 per cent, auramine 15 percent, moisture content 2½ percent and density .175 percent. Material must be moved at buyer's expense. Address Capt. Bernard Margulis, Chemical Warfare Service, 292 Madison Ave., New York City.

Washington Talks It Over

—Continued from page 5

uct. The same situation also applies with respect to open-mesh bags made of cotton or twisted paper yarn. These bags may now be used for packaging chemicals, fertilizers, flue dusts, and a host of other products.

WPB lifted the restrictions that heretofore have been in effect by an amendment to M-221. All that a user has to do now when he buys 1,000 or more textile bags is to certify to the supplier that he won't use the bags for purposes not authorized by the amended order.

Insecticide Meeting

—Continued from page 3

ports on materials and their use in medical entomology.

S. H. Rohwer, assistant chief of the U. S. Bureau of Entomology and Plant Quarantine, in an address, "On Looking Forward," said that the war has not been without some benefit in insect control by disclosing "points of weakness and strength." Mr. Rohwer pointed out that during this wartime emergency various second or third-best materials have been recommended as substitute for more effective ones which were not available. Some had not been adequately tested and as a result various reports of unsatisfactory usage was not surprising. He emphasized, industry and entomologists must meet and overcome the effect on growers' attitude that has resulted both from such cases and from some instances where dosages were cut too low in an effort to conserve supplies.

Discussing new materials, Mr. Rohwer included DDT as the most extensively studied during the past season. Field trials have both confirmed and contradicted tests of the preceding season. They have also pointed out many important problems that confront those who may use this material. In some cases where we found DDT useful in control of an insect last year, this year it has fallen down. In some cases the field results were far better than those in the laboratory gave us any reason to expect. But one thing that stands out all the way through is this:—don't forget the toxicity of DDT. Some disturbing things appeared on the horizon in the last ten days.

The Federal insecticide act of 1910 was discussed and plans for modernizing it were presented by Harry Reed, chief of the Livestock and Meats Branch of the War Food Administration. Even though it is thirty-four years old, the Federal act has helped both the users and the ethical manufacturers, he said, stressing that "there are in the United States about 1,200 major manufacturers of insecticides and fungicides and innumerable kitchen and backyard operators. Quality of products has been raised, he said, and dishonest dealing has been kept at a minimum and there has been a tendency toward stabilized marketing. The user, he said, is not in position to test a product before using and he said that it must be able to rely on the statements made by the manufacturer.

The present draft of the insecticide law is in an extremely tentative form, Mr. Reed said, and is still, he added, subject to some revision by WFA. When ready for submission Mr. Reed promised that ample opportunity will be given to industry for discussion of the act at preliminary hearings. Mr. Reed approved the model State insecticide act of the association and said that it had been used as the base for much of the proposed revision of the 1910 act.

Mr. Reed said that the tentative draft of the Federal act avoids the establishment of unnecessary standards and covers the subject as broadly as possible to avoid the necessity of further amendments as new products enter the markets. He cited as an example the manner in which the model State seed law has been used to dovetail federal and state legislation and suggested that similar uniformity could be achieved under the proposed federal insecticide law.

Walter S. Gavan, of the American Cyanamid Corporation, New York, reported as chairman of the joint insecticide and fungicide committee of the association and the Manufacturing Chemists Association. About forty State legislatures, he said, will meet next year, promising many problems. He added:—

The industry will oppose legislation to restrict the distribution of our products to any one class of retail distributor. It will oppose coloration provisions which are either impracticable because they would reduce the effectiveness of a product, or make it chemically or physically unstable, injurious to plant life or excessive in cost to the user, or which would retard production and reduce the available supply.

It will oppose excessive registration fees, and requirements for dual registration by manufacturer and dealer on the same product. And it will oppose laws which give local authorities the right to decide arbitrarily, without adequate foundation, that a product which otherwise complies with the law should be condemned, blacklisted or confiscated.

Labels

Warren Watson secretary of the Manufacturing Chemists' Association of the United States in an address on "Labels and Precautionary Information" urged all manufacturers to carefully examine both the adequacy of their labels and of their instruction booklets and that they maintain close touch with their customers to educate them fully in the safe use of their products.

Officers Elected

The following officers were re-elected:—

President Joseph B. Cary of the Niagara Sprayer Company; vice-president, Harold C. Davies; executive secretary-treasurer, Les S. Hitchner. Directors were re-elected.

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Xylenols
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Frozen Neutral Oil
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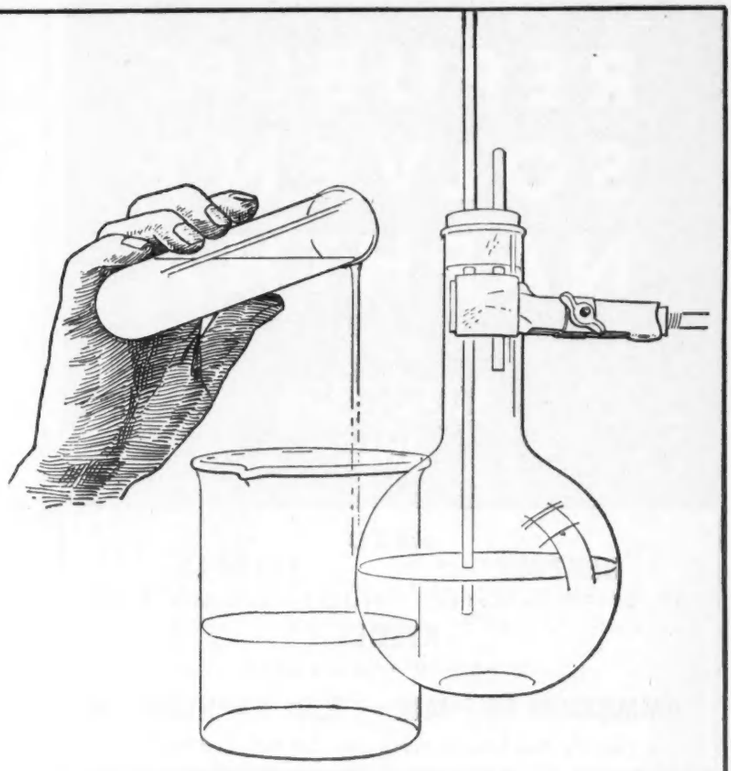
and other coal tar chemicals



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DuPont Rayon Managerial Changes Made

Five changes in the managerial organization of the rayon department of E. I. du Pont de Nemours & Co., Wilmington, Del., have been announced. Howard J. White and James S. Denham, managers of the rayon division and the acetate division respectively, were appointed to newly-created positions of assistant managers of the rayon department. B. M. May is assistant general manager of the department. Frank B. Ridgway was named manager of the rayon division, succeeding Mr. White, and Willis Shackelford succeeded Mr. Denham as manager of the acetate division.

Charles A. Cary, assistant manager of the nylon division since January 1, 1940, has been named division manager. He succeeds E. K. Gladding, whose appointment as director of the development department became effective September 1, 1944.

Emile F. du Pont, nylon division production director since 1941, has been made assistant manager of the acetate division. Robert A. Ramsdell, who has been director of nylon sales since 1940, has been appointed assistant manager of the nylon division. Dr. G. W. Filson has been named assistant manager of the rayon division. He has been assistant manager of the department's technical division for the last two years.

Neville Forms Postwar Marketing Plans

Postwar marketing plans for the Neville Company were formulated at a recent meeting of sales agents at the Neville plant, Neville Island, Pittsburgh, Pa. Representatives of eleven of the fifteen Neville agencies covering all of United States and Canada attended.

Subjects discussed included:—"New Uses for Neville Products," by L. V. Dauler, sales manager; "New Products of the Past Year, New Products Now in Pilot Plant Development, and Possible New Developments," by L. M. Geiger, director of research; "Expanded Technical Service for Customers," by D. L. Marsh, Technical Service Laboratories; "Future Technical Possibilities," by Dr. J. H. Lux, assistant director of research.

A general discussion of these subjects and the formulating of future sales practices and methods followed. H. N. Dauler, president, presided at the sessions and led the discussions.

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MARINE MAGNESIUM PRODUCTS CORPORATION
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Protective Coatings Materials

Although war production contracts continue sufficiently heavy to keep most suppliers of protective coatings materials and of finished paints, varnishes and lacquers fairly busy filling these orders, which still constitute 70 to 75 percent of their total business, while also meeting the demands incident to the long continuance of maintenance painting, there has been no letdown in their endeavors to build up civilian merchandising in these lines, in anticipation of the 40 percent or greater cutback in war orders which is sure to follow the ending of the European war.

New potentialities in the field of marketing protective coverings and their ingredients have been seen of late in the growing activities of privately-financed constructions which, during August, reached a volume of $127,000,000 or 40 percent of the total of new construction for that month, as compared with only 22 percent in the corresponding month of last year, and in the plans for private constructions running into billions of dollars in the postwar era.

Another step toward liberalizing the allowance of drying oils in paint making has been taken by the War Production Board through an amendment to conservation order M-332, controlling the amount of such oils that may be used in the manufacture of paints, so as to increase the amount of oil permitted in the production of gloss mill-whites for industrial maintenance from 3 pounds to 3.5 pounds per gallon.

Metallic Lead and Zinc

With the domestic production of metallic lead holding up well and with no notable diminution in the inflow of imported metal, WPB has not yet placed any restrictions on the use of pig lead by manufacturers of lead pigments. Hence the makers of these pigments are not affected by the recent issuance of an amendment to general preference order M-38, restricting the use of lead so as to embody regulations included in the new priorities regulation No. 25, but providing for the filing of all requests for exceptions from the restrictions on the use of lead, except for the use of foil in packaging cigarettes, tobacco, cigars, candy, chewing gum, beverages or fluids, other than cap inserts for medicinals under PR 25. Prices for pig lead have remained unchanged for the week September 8-15 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Modification of certain restrictions on the use of zinc and zinc products, through an amendment to conservation order M-11-b, announced by WPB within the past week, is regarded by some trade authorities as possibly paving the way for a withdrawal of the still existing requirement of zinc pigment makers to present priorities in order to obtain necessary stocks of slab zinc, which is still in limited supply, despite a plethora of zinc ore and concentrates. The recent modification of restrictions on zinc and zinc products has removed, among other limitations, the restrictions hitherto existing on the use of zinc or zinc products for protective coating or plating, other than paint, except for articles on List A. Quotations for zinc slabs continued unaltered for the week September 8-15 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Blue Lead. — Continues moving steadily into both war production and non-military channels.

Litharge.—Still in keen demand on all accounts. Prices firmly held.

Lithopone. — Buying interest continues high while supply situation is still extremely light, with restrictions on all zinc sulphide pigments making it difficult for civilian users to obtain much of this material, despite the recent amendment to WPB order M-353, permitting some allotments of these pigments.

Market Trends

Prices Advanced

Alphapinene, ½c. per gal.
Rosin, gum, 10c. to 19c. per 100 lbs.
Turpentine, gum, ½c. per gal.

Prices Reduced

Dibutyl phthalate, tankcars, at plant, 1/10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Zinc Oxide.—With leadfree material still under allocation control and with leaded material continuing in light supply, civilian users are greatly restricted in the quantities of either types which they can procure.

Fillers and Extenders

Asbestos.—A routine movement of Canadian and domestic materials continues to be reported with prices well maintained.

Gypsum.—War Shipping Administration has announced its approval of rate order No. 289, providing for a rate of $3.40 per ton, plus surcharge of 42 percent on shipments of this material in bulk from the Bay of Fundy to either Savannah, Ga., or Jacksonville, Fla.

Mica. — Wetground and pulverized grades as well as dryground grades of scrap mica continue moving steadily into paint trade channels. The Geological Survey has released a paper entitled "Structural and Economic Characteristics of New England and Mica Deposits." Copies may be obtained upon application to the Director, Geological Survey, U. S. Department of the Interior, Washington 25, D. C.

Dry and Chemical Colors

Bone Black.—Continues in moderate request and moving steadily into consuming channels. Prices well maintained throughout the list.

Cadmium Colors. — Small additions to the permissible uses of cadmium, for other than the making of distinctly war production pigments, have been set forth in an amendment by WPB to its order M-65, covering restrictions and allowable uses of cadmium, so as to permit its use in the manufacture of luminescent paint in signal and illuminating glassware for safety, religious, military and industrial uses only and in thermometer tubing, rubber sea buoys, dental rubber, artists' colors, X-ray fluoroscopic screens for medical purposes and luminescent coatings for cathode ray tubes, except tubes to be used as signs, lighting fixtures or lamps, in addition to allowing its use in pigment-making for the production of luminescent paint, luminescent printing ink, luminescent paper and luminescent plastic for military uses.

Bronze Powders

Aluminum Pigment.—Recognition of the recent substantial easing of the aluminum powder supply situation has been made in an announcement of the lifting of all limitations on the sale and use of aluminum pigment. This has been attained by the War Production Board in revision of conservation order M-1-g, effective September 12, removing all restrictions on the distribution of this pigment, except those contained in priorities regulation No. 1, providing for the filling of rated orders first.

Driers and Flatteners

Naphthenates.—With WBP denying virtually all applications for authorization made by non-military use consumers and limiting its allocations to distinctly war production uses, makers of paints designed for civilian use are unable to obtain any of these driers, and hence are turning with even greater avidity than heretofore to the tallates.

Tallates.—For the reasons explained in the above report on napthenates, the call for tallates is increasing daily. To date, however, suppliers have been able to meet the demands for these driers, which are free from allocation control.

Stearates.—Moving steadily and in mounting volume into consuming

For Current prices see alphabetical listing beginning on page 9.

STEARATES

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ALUMINUM
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Unsurpassed Quality

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IRON OXIDE PIGMENTS
SYNTHETIC ★ NATURAL
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ETHOX, (Diethoxy Ethyl Phthalate)
(Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE
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For inorganic phosphorus products, represented by Joseph Turner & Co., Ridgefield, N. J.
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channels in the paint trade, which requires constantly increasing quantities of these flattening agents.

Lacquer Materials

Acetone.—With an increasing drain upon supplies occasioned by the mounting demands of military and lend-lease accounts, there has been an even greater tightening of the situation insofar as non-military needs are concerned. Many more applications to WPB for essential industrial uses have been denied allocations.

Dibutyl Phthalate.—One prominent manufacturer, whose butanol costs have been further increased, has marked up his prices for dibutyl phthalate by four-tenths of a cent per pound. On the other hand, a large manufacturing interest, whose butanol costs are comparatively low, has reduced its price by one-tenth of a cent for the period from September 10 to October 9. All the other producers continue to quote the prices named in the preceding period for the new period. And one manufacturer, having diverted his production equipment to making other essential war materials, has withdrawn from the market, with nothing to offer for the new period.

Naval Stores

A further strengthening trend has been manifest throughout the naval stores markets within the past week, with gum turpentine rising above the CCC parity and with virtually all grades of gum rosin advancing under the spur of mounting demands and none too plentiful offerings.

Much of the growing strength in the primary markets for gum rosin has been attributed to the unexpected announcement of increased requirements of the soap industry which, although hitherto believed to have been plentifully supplied, is now found to need comparatively large quantities in addition to its present stocks, in order to treble the supply of yellow laundry soap that will be called for over the next several months by the U. S. Army and for immediate relief needs of areas liberated by the Allies.

Turpentine.—With the producing season half over, so that it appears probable that 50 percent of the total production for 1944-1945 has been brought into sight, there is every indication that the demand will outrun the supply before the close of the season. Hence the market on the Savannah Exchange has stiffened until it has reached a level around 79 cents per gallon—a half-cent above the CCC parity.

Savannah, Sept. 15.—Following is a record of the market for the week:—

	Bulk gallons Cents.	Sales.	Barrels Receipts.	Shipments.	On hand.
Monday ..	78½	2,450	56	83	28,820
Tuesday ..	79	5,450	99	81	28,838
Wednesday.	79	2,550	84	245	28,677
Thursday..	79¼	2,750	74	132	28,619
Friday ...	79¼	3,200	52	255	28,416

Rosin.—Although directors of the American Turpentine Farmers Association have urged at recent conferences that OPA take cognizance of the strengthening statistical situations in fixing maximum prices in its permanent ceilings list on gum rosin at levels that would tend to encourage production, no definite intimation has yet been forthcoming as to the exact character of the action which that bureau will take thereon. Meanwhile, uncertainties on that score have been continuing to exert a disturbing influence.

Following is a record of the market for the week:—

	Price per 100 lbs. Low of range quoted Mon.	Tues.	Wed.	Thurs.	Fri.
B	$4.61	$4.61	$4.61	$4.80	$4.80
D	4.90	4.95	4.95	5.02	5.02
E	5.35	5.35	5.45	5.45	5.45
F	5.41	5.44	5.49	5.49	5.53
G	5.42	5.45	5.49	5.51	5.55
H	5.42	5.45	5.49	5.51	5.55
I	5.42	5.45	5.49	5.51	5.55
K	5.42	5.45	5.49	5.51	5.55
M	5.42	5.45	5.49	5.51	5.55
N	5.78	5.82	5.85	5.87	5.90
WG	6.05	6.07	6.13	6.13	6.18
WW	6.11	6.15	6.19	6.19	6.23
X	6.11	6.15	6.19	6.19	6.23
	Drums				
Sales	171	264	284	171	164
Receipts ..	125	336	192	335	224
Shipments.	71	206	64	200	167
Stocks	17,082	17,818	17,946	18,071	18,138

Synthetic Resins

Ester Gum.—Although glycerin has recently undergone a further easing process and this and other raw materials employed in the production of ester gum are free from allocation control, the supply of this product, which plays such an important role in the making of synthetic resins, is not yet plentiful for non-military use, inasmuch as priorities are still being given in the filling of orders to those having high ratings as representing the Navy's heavy requirements in navy specification 52G5A, for use in making 52P22 enamel.

Varnish Gums

Asphaltum.—A seasonal movement continues to be noted in gilsonite petroleum base and manjak types, with prices firmly held throughout the list.

Copal.—Arrivals of 6,367 bagfuls of Congo copal, representing the bulk of the remaining consignments from the country of origin arranged for prior to the imposition of license requirements, has not tended to ease the tight supply situation in this natural resin in the local market, as the greater part of these arrivals has long since been contracted for and has gone immediately into consuming channels.

Shellac.—With four bleacheries now in operation and several additional bleaching plants on the eve of resuming operations, the outlook for a sizable amplification of the production of white and orange cut shellac is steadily brightening, although the magnitude of the output of these liquid forms naturally depends heavily upon the availability of an adequate supply of denatured alcohol. WPB has now authorized an increase of 25 percent in the alcohol allotments for shellacs and substitutes for the fourth quarter of this year. The stockpile of the Defense Supplies Corporation has lately been showing steady additions of the poorer quality Bysacki crop grades most suitable for the the production of the white and orange cut shellac. Final estimates place India's 1944 Bysacki lac crop at 770,500 maunds (a maund being equal to 82.28 pounds), although preliminary estimates had suggested a yield of only 719,250 maunds, and this final estimate for the current year is more than double that for 1943, albeit approximately 25 percent below the final figure for the 1942 Bysacki crop. It is also noteworthy in this connection that the yield in 1943 was only 372,000 maunds.

Glues and Binders

Casein.—A belated report on an arrival of a relatively small cargo of imported casein and brisk resales of quantities of this foreign-origin materials previously received in the United States has served to illustrate the strenuous efforts of suppliers to meet all demands of WPB authorized consumers among paper coaters, cold-water paint makers and plastic manufacturers, at a time when domestic production is sadly lagging.

Glues.—The long-expected easing of the situation in hide and extracted bone glues as well as in green bone glues, insofar as the relatively small consumer is concerned, has at length materialized in an amendment to Schedule 8 of WPB's order M-300, whereby the small order exemptions have been increased from 1,200 pounds

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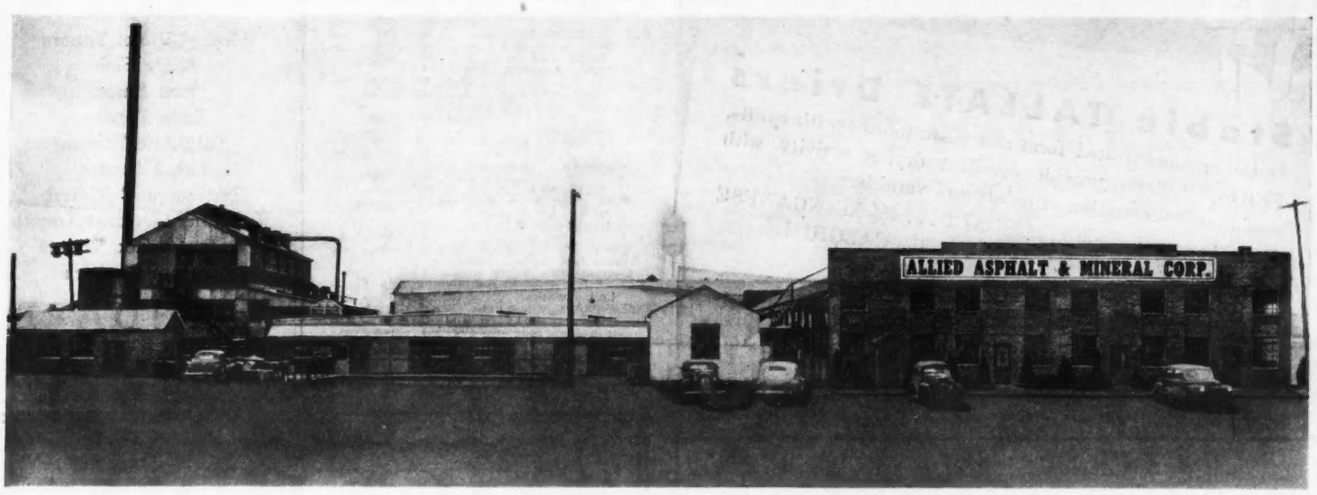

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Ferro Tallates include 4% COBALT . . . 4% MANGANESE . . . 16% LEAD . . . 5% ZINC . . . 3% CALCIUM.

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MINERAL PIGMENTS

Meeting Specifications of the Army, Navy, Maritime Commission, Federal Specifications Board, Panama Canal, and other Government Agencies.

For Protective Coatings, Camouflage, and other essential requirements of the Victory Program.

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EASTON, PA.

to 10,000 pounds in hide and extracted bone glue, and from 6,000 pounds to 10,000 pounds in green bone glue per quarter. And, whereas the suppliers formerly made their requests to WPB on form WPB-2946 while their customers made their applications on form WPB-294, suppliers are now required to file their requests for allocations on behalf of their customers on form WPB-2947, after bunching together the orders of their customers who have furnished them with certified statements of the proposed use for all orders in excess of small-order exemption limits.

Current Market Quotations

—Continued from page 31

Zinc, dust,[6] bbls., c.l., dlvd.	lb.	.1035- —
l.c.l., works	lb.	.1135- —
Fluoride, bbls.	lb.	.25 - .30
Iodide, NF, bots.	lb.	4.64 - —
jars	lb.	4.40 - —
Laurate, bbls.	lb.	.32 - .33
Metal,[1,3,5] (quotations in Paint Market report).		
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 - .19½
Laurate, bbls.	lb.	.32 - .33
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07¼- —
American process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07⅝- —
35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼- —
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07⅛- —
green seal, bgs., c.l., dlvd.,	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼- —
red seal, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08¾- —
white seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.09¾- —
USP,[6] 50-lb. ctns., c.l.	lb.	.10½- —
l.c.l.	lb.	.10¾- —
Zinc oxide in bbls., ¼c. higher; Pac. cst., c.l., dlvd., and l.c.l. ex whse., ½c. higher.		
Resinate, 8.7% Zn, 100-lb. dms.	lb.	.14½- —
fused, pale, bbls.	lb.	.11 - .12
precipitated, dms., dlvd.	lb.	.15 - —
Silicofluoride, bbls.	lb.	.15 - .18
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
ton lots, frt. equald.	lb.	.30 - —
smaller lots, frt. equald.	lb.	.31 - —
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
flake, bgs., c.l.	100 lbs.	3.80 - —
l.c.l.	100 lbs.	4.55 - —
powd., bgs., c.l.	100 lbs.	5.35 - —
l.c.l.	100 lbs.	6.10 - —
Zinc sulphate in bbls., 25c. higher.		
Sulphide,[1,6] pure, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
barium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
fluorescent, pigment, works, frt. alld.	lb.	.90 - 1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.		
Sulphocarbolate, NF, bbls., dms.,	lb.	.28 - .31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 - —
l.c.l., works.	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 - 2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies.	lb.	.06¼- —
dlvd. Pac. cst.	lb.	.06⅝- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium hydride, cns., works.	lb.	7.00 - 8.00
Nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00 -100.00
white, 95%, grd., kgs., works.	lb.	1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for September 11.

FILAC

CLEAN SOLUBLE NITRATE FILM SCRAP

HORN, JEFFERYS & CO.

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MANTONS CLAY USED LIKE

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Permanent Orange Toners
Pyrotone Red Toners
Barium Products

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CHEMICAL CORP. (N. J.) Harrison, N. J.

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DIRECT IMPORTERS AND EXPORTERS

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Oils, Fats, and Waxes

Trading in oils and fats was quiet during the week with consumers operating in a hand-to-mouth manner. While new business was slow, the call for delivery on allocations continued for sizable quantities. A firm tone featured the market and all materials were closely held at ceilings. Lower production of tallow and grease was reflected in reduced offerings with renderers sold well ahead. Active demand for hogs has strengthened lard.

Soybean regulations covering the 1943 crop have been clarified in several respects for the purposes of effective price control, the Office of Price Administration has announced. This action, effective September 19, 1944, provides a maximum mark-up on sales by purchasers other than producers, trucker merchants or country shippers. The mark-up formerly was 1½c., has been reduced to 1c., to prevent brokers from also acting as merchandisers. Crushers of soybeans were found to be penalized by the additional ½c. when buying from brokers who sold as merchandisers, OPA said.

The War Food Administration has amended WFO No. 76, effective October 1, to permit a more general use of wool fat to all users except cosmetic manufacturers. Distribution will be regulated by the limitation of inventories to a 30-day supply based on current operations, and will affect distributors and users of wool fat, and producers of lanolin.

The amendment will make it possible for users to obtain priority on delivery simply by certifying to suppliers that quantities thus obtained will not be used in cosmetics and mechanics' hand soap, or for non-military fur dressing.

Druggists and other small users, except a cosmetic manufacturer, may obtain 10 pounds of wool fat without certification.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
192.7	192.7	192.7	195.4

Vegetable Oils

Oiticica.—Demand was slow, but the spot market was steady and quotably unchanged, reflecting the tight shipping and supply situation prevailing at primary centers.

Olive.—Importers were still waiting for prices and terms for shipment of edible oil from Spain, while consuming interest continued keen. Local factors expressed the opinion that supplies would be available about the end of the year. Reports from Spain stated that the new crop would be large. Crushing of olives will start early next month.

Advices from California said damage to the olive blossoms last Spring was expected to reduce the oil production for this season.

Palm.—Conditions remain firm. Consumption continued in good volume. Receipts were reported at 1,258 tons, which were delivered against former contracts.

Soybean.—War Food Administration purchased 19,090,000 pounds of once-refined soybean oil at 13.46½c. per pound, tankcars, f.o.b. California ports, on August 15.

Atlanta, Sept. 13.—Harvesting of cotton and peanuts has been hindered by heavy rains in the Southeast. If rains persist much longer, cottonseed will deteriorate, resulting in "off-color" meal that is not acceptable to the feed trade but can be used as organic nitrogen in fertilizers.

Flaxseed

Seed receipts increased, but below the volume at this time last year. Damage to standing crop by rain reported serious.

Minneapolis, Sept. 13.—Demand for spot flaxseed holds aggressive at ceiling prices. Receipts have been running fairly heavy compared with normal but not compared with last year's heavy run at this season of the year. About 90 percent of the flax arriving is taken on arrive contracts.

Some damaged Minnesota flax is arriving on the market now. Quality was lost because of too much rain. The seed is dark and scabby and there is a liberal dockage shown in all samples. Watergrass predominates. Very little North Dakota seed has been shipped to date. In that state a large percentage of the fully ripened crop is standing in water-soaked fields and cannot be threshed. Some of these fields are under water. The situation is quite serious and loss in final production is apt to be noticeable.

Crop movement in bushels follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This wk.	1,275,000	2,197,500	193,500	165,000
Since Sept. 1	1,999,500	4,497,000	327,000	480,000

The week's closing flaxseed price range was as follows:—

	Cash	Sept.
Saturday	$3.10	$3.10
Monday	3.10	3.10
Tuesday	3.10	3.10
Wednesday	3.10	3.10
Thursday	3.10	3.10
Friday	3.10	3.10

Buenos Aires, Sept. 15.—Flaxseed shipments to United Kingdom were 67,000 bushels; none to other destinations. Visible supply was estimated at 4,134,000 bushels. Flaxseed for export was quoted at $2.26½ per bushel, U. S. funds; Rosario, $2.17⅜ per bushel.

Hull, Sept. 15.—Bombay, September, £33½, nominal; Calcutta (no quotations); La Plata, September, £28 per ton, nominal.

Linseed Meal

While interest in meal has slackened, market continued firm. Demand light for future shipment.

Minneapolis, Sept. 13.—Some crushers note a slight easing in the linseed meal position but most of them report unchanged conditions. Demand is always waiting for any spot or nearby offerings. Shipping instructions on file are liberal and it looks now as though the crushers would be able to catch up completely on their old trades. Demand for shipment after the turn of the year is not very aggressive. Prices quoted at ceilings and output smaller.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	10,500,000	12,780,000
Since Sept. 1	20,220,000	23,820,000

Linseed Oil

Demand for linseed oil continued light and spasmodic during the week. Although business was limited, the market was firm at former levels. Buyers mainly were purchasing less than carlots. Raw oil was held at 14.7c. per pound in tankcars and tankwagons, and lesser quantities at the usual markup.

The Department of Agriculture estimated the flaxseed production at 25,878,000 bushels as of September 1, comparing with 26,462,000 bushels on August 1 and 52,008,000 bushels harvested in 1943. The ten-year (1933-43) average was 17,180,000 bushels. The report stated that there was too much rain for small-grain harvest in the Dakotas during the latter part of August. However, prospects were better early in September and improvement was expected if frosts hold off until late crop planted can mature.

The first official estimate of the Argentine flaxseed acreage was indicated at 4,849,000 acres. The acreage for 1943 was 5,828,000, and 1942, 6,111,000 acres. Some acreage was said to have been abandoned due to Winter frosts in northwestern Santa Fe, Cordoba and Santiago provinces.

The Canadian flaxseed crop was sharply lower and estimated at 10,082,000 bushels, as compared with 17,911,000 bushels last year, according to the first crop estimate issued by the Dominion Bureau of Statistics.

Minneapolis, Sept. 13.—Orders for linseed oil are limited and the market is quiet.

Mills are operating at full six-day capacity but are not operating on Sundays or holidays. Some complain of manpower shortage and all crushers find it difficult to get tankcars for shipment. Prices quoted at ceiling because cash flax on spot and to arrive is trading at ceilings. Crushers are paying ceiling prices for flax to arrive up to the end of the current year.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	8,660,000	6,940,000
Since Sept. 1	16,820,000	12,640,000

For Current prices see alphabetical listing beginning on page 9.

DARLING'S
STEARIC ACID
OLEIC ACID
RED OIL
FATTY ACIDS
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4203 South Ashland Avenue • Chicago

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

STEARIC ACID
OLEIC ACID
(Red Oil)
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FATTY ACIDS
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RUFATS
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Now Available in Large Quantities
PALM OIL FATTY ACIDS
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HYDROGENATED FATTY ACIDS
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Cottonseed Oil Fatty Acids Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine — Pitch — White Oleine
FACTORIES
DOVER, OHIO • LOS ANGELES, CALIF. • TORONTO, CANADA

Cake and Meal

Steady consuming demand for cake and meal for immediate and prompt delivery continued to feature the market. Available supplies were promptly taken, though offerings were light owing to the sold-up production. Inquiry for new crop was more active, with trading still light.

Distilled Animal
TALLOW
FATTY ACIDS
Extra Light Color
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ESTABLISHED 1837
Factory: NEWARK, N. J.
CABLE: GROSSRAY AShland 4-8250

Cottonseed Oil

Interest in cottonseed oil futures was at low ebb during the week. The movement of refined grades also slackened on allocations. Inquiry for new-crop crude oil was fairly active though trading was limited owing to the scanty offerings from the mills in the South. Seed receipts showed little improvement and were said to be several weeks late due to heavy rains.

Refined oil consumption totaled 221,355 barrels during August as compared with 196,365 barrels in July and 240,662 barrels during August, 1943. The visible supply of oil and seed was estimated at 661,900 barrels on August 31, 638,000 barrels for the previous month, and 684,900 barrels for August last year, according to the Bureau of Census.

The War Food Administration announced that WFO 113 (cottonseed), effective September 8, is an extension of WFO 28, which was terminated on that date. WFO 113 was designed to facilitate the marketing of the 1944 cottonseed crop. (For further details see news story in this issue.)

The cotton crop was estimated at 11,483,000 bales as of September 1, as compared with the 1943 production of 11,427,000 bales, by the Department of Agriculture. The ten-year average (1933-42) was 12,455,000 bales. Acreage to be harvested totaled 20,167,000 acres. Condition of crop on September 1 was 75 percent against 68 percent a year ago and yield per acre at 273.4 pounds, compared with 253.5 last year.

Bleachable oil prices follow:—

	Cents per pound in tanks		
	High.	Low.	Close.
October	....	....	14.31 nom.
December	....	....	13.90-14.25
March	....	....	13.50-13.70
May	....	....	13.40-13.65
July	13.35	13.35	13.35 sales

Total sales, 2.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12c. (all ceiling prices).

Memphis, Sept. 14.—Selling of crude cottonseed oil very light. Mills waiting for increase in seed receipts. Crop continues several weeks late. Cottonseed meal in good demand with offerings very light.

Fatty Acids

This market was firm, reflecting the strength of pressing stock. Trading in stearic acid was active with red oil commanding more attention. Other grades were steady and under a good call for delivery against contracts.

Fats and Greases

Grease.—While trading was spasmodic, an active inquiry continued for the higher grades. Available stocks of these grades were limited and firmly held. Business was moderate with prices held at ceilings. Interest in lower varieties was spotty.

Tallow.—Reduced production of tallows combined with unsatisfied demand continued to highlight this market. Buyers were in the market for supplies but offerings were scanty. The volume of sales restricted due to the sold-up output.

Fish Oils

Cod.—Limited supplies were closely held. Demand was meager. Prices were firm at ceilings.

Menhaden.—Inquiry for crude oil was reported slow. Production of crude oil thus far this season has been the smallest in years. Refined oil was moving in small lots on the spot.

Baltimore, Sept. 13.—The belief that the current season of menhaden fishing along the North Atlantic coast will be the most unsatisfactory almost in the history of the industry is fast gaining ground. Operators in North Carolina are beginning to doubt whether buying of oil can be attracted at almost any price, with large purchasers especially out of the market.

Waxes

Activity in the wax market during the week was confined to small lots for prompt requirements. Interest in nearby and forward shipments has slackened, but primary markets continued on a firm basis, with offerings restricted to December forward positions. Prices of all varieties were steady at ceilings. Stocks on the spot were light, with the exception of candelilla, which were said to be liberal. Receipts of 721 bags and 220 blocks of beeswax were reported.

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For Laminating Paper
Melting Points 126° F. to 170° F.
COLOR: DARK AMBER
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STEARIC and OLEIC ACIDS
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U. S. Shellac Importers Hold Outing at Plandome

Despite the inclement weather with which they had to contend in their openair activities, members of the United States Shellac Importers' Association held their annual outing at Plandome, Long Island, September 12.

A few of the group essay to play a golf tournament on the course of the Plandome Golf Club but felt impelled to abandon their exercise on the links when the rain descended in torrents. Thereafter the day's entertainment was confined to bridge playing and a dinner in the club house. But all participants had a thoroughly good time of it.

American Cholesterol Co. Moves N. Y. Sales Office

American Cholesterol Products Company, manufacturer of emulsifiers and absorption bases for pharmaceutical and cosmetic preparations, Milltown, N. J., has moved its New York sales office from 58 West Fortieth street to 40 Exchange place. J. Garfield will be in charge.

Gum Importers Outing

The American Gum Importers Laboraories, Inc., will hold an outing at Hempstead, L. I., September 19. A golf tournament will feature the event. Arrangements are in charge of George T. Hawxhurst, of S. Winterbourne & Co., 164 Water street, New York, secretary.

Fats, Oils, Output, Consumption: July

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for July, 1944, as compiled by the Bureau of Census, follow:—

	Pounds	
	Production	Consumption
Vegetable Oils		
Babassu, crude	[2]	[3] .....
Refined	.....	[3] .....
Castor, No. 1, crude	12,723,000	14,459,000
No. 3, crude	3,592,000	3,257,000
Dehydrated	9,074,000	5,464,000
Sulphonated	.....	463,000
Chinawood or tung oil	.....	819,000
Coconut, crude	8,267,000	13,256,000
Refined	4,755,000	5,164,000
Corn, crude	16,210,000	15,041,000
Refined	13,875,000	2,162,000
Cottonseed, crude	17,964,000	26,856,000
Refined	4,755,000	5,164,000
Linseed	98,645,000	45,566,000
Olive, edible	.....	53,000
Inedible	.....	25,000
Sulphur oil or olive foots	[2]	151,000
Oiticica	[2]	818,000
Palmkernel, crude	[2]	[3] .....
Refined	.....	.....
Palm, crude	.....	5,004,000
Refined	[3]	[3] .....
Peanut, crude or virgin[1]	3,483,000	7,099,000
Refined	6,654,000	7,237,000
Sesame	.....	54,000
Soybean, crude	96,379,000	94,168,000
Refined	58,179,000	72,852,000
All other	4,369,000	2,739,000
Animal Fats		
Lard, rendered (including neutral lard and rendered pork fats)	183,502,000	15,156,000
Neatsfoot oil	127,000	292,000
Tallow, edible	6,279,000	11,405,000
Inedible	73,177,000	80,260,000
Fish Oils[4]		
Codliver oil	12,000	492,000
Cod oil	59,000	705,000
Marine mammal oil	9,000	1,512,000
Other fish oil except liver oil	[5] 22,577,000	12,902,000
Other liver oil	965,000	671,000
Greases		
Greases (including garbage and house), other than wool	50,798,000	55,853,000
Wool grease	1,366,000	1,586,000
Secondary Products		
Animal fat and oil fatty acids	14,949,000	15,062,000
Animal foots, 100% basis	2,448,000	2,423,000
Fish and marine mammal fatty acids	1,986,000	484,000
Grease and lard oil	3,840,000	3,519,000
Oleo oil	3,731,000	1,416,000
Red oil or oleic acid	5,734,000	3,916,000
Stearic acid	3,698,000	3,486,000
Foots, from fish and marine mammal oil (100% basis)	.....	85,000
Stearin, animal, edible	2,306,000	2,599,000
Inedible	2,292,000	869,000
Stearin, vegetable oil, winter	6,176,000	7,271,000
Tallow oil	1,117,000	959,000
Vegetable oil fatty acids from foots and other than from foots including fatty acids from tall oil, palm oil, refuse, etc	12,802,000	9,337,000
Other Products		
Glycerin, chemically pure (100% basis)	5,501,000	6,375,000
crude (100% basis)	13,244,000	12,911,000
high gravity and yellow distilled (100% basis)	6,713,000	6,240,000
Hydrogenated oils, edible	69,669,000	61,917,000
Inedible	16,521,000	19,807,000
Shortening	93,745,000	279,000
Winterized vegetable oils	26,995,000	.....

[1] Bureau of Agricultural Economics collected the data from peanut oil producers.
[2] Included in "All other" vegetable oils.
[3] Not shown to avoid disclosure of individual operations.
[4] Fish and Wildlife Service collected the data from fish oil producers.
[5] Includes 11,560,000 pounds of herring, sardine and pilchard, and 10,665,000 pounds of menhaden for July, and corresponding figures for June are 2,518,000 and 9,107,000.

Wm. Diehl & Co.
CANDELILLA WAX
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OURICURY WAX
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N.Y. Paint Club To Meet Sept. 21

The New York Paint, Varnish and Lacquer Association will open its 1944-45 sessions with an afternoon and night meeting at the Hotel Biltmore September 21. President Renshaw Smith, jr., will open the business session at 4 p.m.

First speaker will be Elmer Vallar, sales manager of the Einson-Freeman Company, with "Merchandising at Point of Sale in the Paint Field." The meeting will then be turned over to A. J. Wittenberg, chairman of the association's raw materials and allied industries committee, and F. A. Walters, chairman of the priorities executive and purchasing agents committee, who will discuss raw materials that are most critical. H. M. Johnson, continuing another year as program committee chairman, announces that cocktails will be served at 6:30, with an hour of entertainment following the dinner.

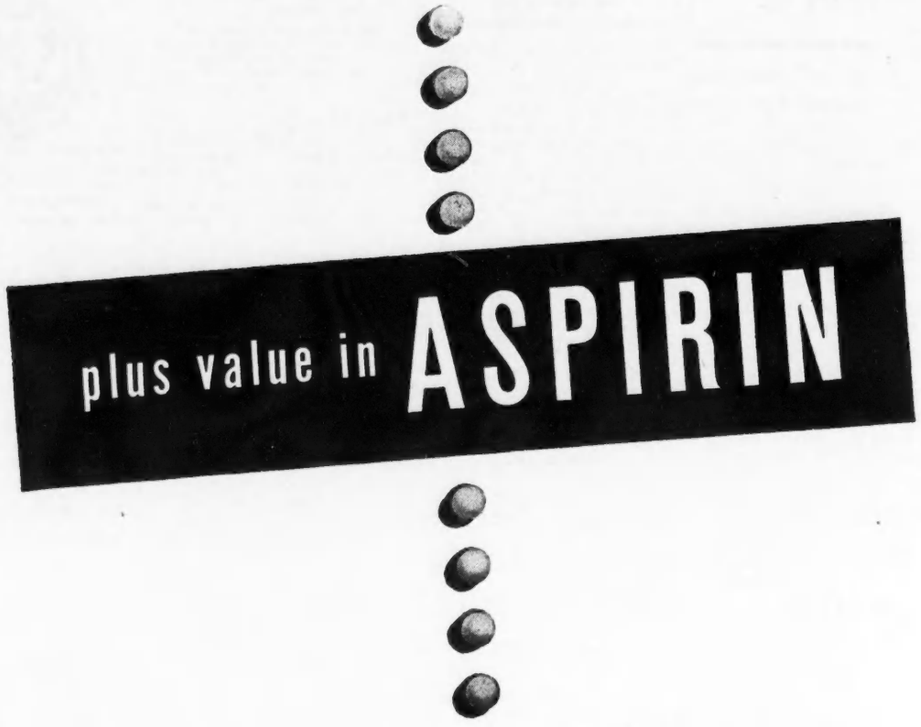
Emery Industries Opens Philadelphia Office

Emery Industries, Inc., Cincinnati, has opened a branch sales office and warehouse at 401 North Broad street, Philadelphia, Pa. M. J. Veenstra will assume the office of district sales manager October 1.

E.R. Walter & Associates Formed in Chicago

E. R. Walter & Associates has been formed as research consultants in the chemical and metallurgical fields. The firm has offices at 333 North Michigan avenue, Chicago.

Chemical Trucking Corporation, New York, has filed a certificate of voluntary dissolution with the Secretary of New York State.



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Drugs and Fine Chemicals

A veritable salmagundi of developments took place last week in the market for drugs and fine chemicals, none of which would score an overall bullseye on any range of commercial activity, but many of which were important each within its own market niche.

On the side of high speed, energetic prognostication, made by a large importer of Brazilian menthol was an estimate of 1945 consumption in the United States. The estimate was 650,000 to 700,000 pounds. The record shows, according to those with years experience in the importation and sale of natural menthol, that domestic consumption has never exceeded 375,000 pounds, and it rarely reached that limit. The importer's statement estimated 1939 consumption at 550,000 pounds. But in that year the record is that United States imports were 354,668 pounds in a market ranging $3.10 to $3.35 per pound, a price low enough to have encouraged consumption. The consensus was that the mark of consumption had been far overshot, even though Brazilian menthol should drop to $3, which it won't.

Dibutyl phthalate was 1-10c. per pound lower when prices for the next month were set up, but the decline was in the schedule of a single maker paying slightly less for raw material. Others maintained prices unchanged and substantially higher than the minimum of quotations. Again, one producer of adeps lanae is long on supply and was reported quoting prices no other maker made any attempt to meet. They continued to sell at the ceiling.

Makers of active dry yeast were ordered, as of September 16 and in WFA order No. 112, to set aside 100 percent of stocks and production that at present are insufficient to meet all civilian, armed forces, and lend-lease requirements, the latter as applied to Great Britain and the Soviet Union.

The Department of Commerce declared that penicillin sales in El Salvador are prohibited save under license, but that the item may be imported duty free into Peru. Colombia, Central America, has banned exports of quinine salts. Equivalent production of natural methanol of 100 percent purity in January-June was estimated at 1,351,114 gallons, which compared with 37,273,000 gallons of synthetic material of 100 percent purity.

Market Trends

Prices Advanced

None

Prices Reduced

Dibutyl phthalate, 1/10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
239.4	239.4	239.5	241.0

Acetanilide.—Producers continue to report a production moderate as compared with consumption but they also indicate that all essential requirements are being supplied.

Acid, Benzoic.—Demand was very good. Requirements of an essential sort are being well supplied by the producers within the limits established by the restricted availability of raw material.

Adeps Lanae.—One producer apparently still holds a surplus supply which he seeks to move on the basis of prices under those named by the balance of the trade. Although USP anhydrous material is 33c. per pound with most makers, it is 30c. for the pharmaceutical, and 31c. for the cosmetic grade in one quarter.

Butyl Acetate.—According to a Department of Agriculture report, 179,000,000 bushels more of corn were on hand than there were on August 1. The visible supply of corn decreased 833,000 bushels during the previous week and was 9,514,600 bushels, against 9,146,000 bushels a year ago. Producers indicated that present war consumption of butyl acetate will require a total corn crop of extremely large size. WPB on September 14 said no normal acetate would be available for non-military interim allocations in September.

Caffeine.—Consumption continued abreast of production and imported caffeine continued to get excellent absorption by domestic industry. The latest arrival was 73 barrels of anhydrous material.

Castor Oil.—Consumption figures for June ran moderately ahead of production and the data were evidence of the excellent absorption of current output of the oil makers. Arrivals of beans totaled 565,950 pounds last week, bringing the total since January 1, to 182,413,440 pounds. This year's total compares with 200,143,100 pounds arrived during the corresponding period a year ago.

Chicago, Sept. 14.—Orders for castor oil are reported good, and the tone of the market remains generally firm. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, drums, car lots, 14¼c. per pound; drums, less than car lots, 15c.; tanks, 13½c.

Chloral Hydrate.—War is taking substantially of current production and the market contains nothing suggestive of a surplus supply at this time. Substantial market stability prevails.

Chloroform.—Users of the technical article were brisk buyers throughout the past week, tending to raise the total of sales and creating added strength to an already firm position. USP moved in quantities satisfactory in size but little changed from recent volume.

Dibutyl Phthalate.—Minimum prices were 1-10c. lower at 18.4c. per pound in tanks, the result of a change in price made by a single producer. Other manufacturers retain unchanged prices and most of them are substantially above the 18.4c. per pound. The shading merely reflects a slightly lower raw material cost for one producer.

Ephedrine.—Protection of the larger requirements commonly developed when Winter shall have arrived has led to a moderate increase in local transactions. The supply of synthetic material was considered to be very good.

Ethyleneglycol.—The most moderate quantities alone will be diverted to the antifreeze field this year and it appears that operators of large fleets of motor trucks will have to depend on other protectors of the cooling systems operated by civilians.

Glycerin.—The market is taking a breathing period after the several readjustments of prices made for the purpose of bringing prices for processed glycerin more closely into line with what refiners were paying for crude and saponification material. The recent downward revision was far sharper than ordinarily features a change in prices for chemically pure material and it is felt that current values will hold unless the crude market shall deteriorate further.

Chicago, Sept. 14.—Demand for glycerin is holding up in good volume. Interest is active, and tone of the market in general is healthy. Prices for both chemically pure and dynamite glycerin are:—Tankcar, 14¼c. per pound; drums, car lots, 14½c.; drums, less than car lots, 15c.

Iron Citrate.—Fair activity was reported but available supplies made necessary the careful allotment of production on a basis set by the normal takings of most buyers. Prices were completely stable.

Iron Glycerophosphate.—Inquiry from wholesalers seemed slightly on the rise but the general movement into consumption remained routine and total volume of sales changed little. Undertones continued firm.

Isopropyl Ether.—Consumption cut vastly into reserves available for civilian uses and created a market of strong undertone and exceptionally firm prices.

Menthol.—A forecast of the menthol market, based on Brazilian prospects has been made by a large importer of Brazilian natural menthol. A fairly reasonable statement is that if production there increases 25 to 50 percent in 1945, prices will be lower. But from there on the forecast received "the slings of outrageous fortune." A consumption of 650,000 to 700,000

For Current prices see alphabetical listing beginning on page 9.

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pounds in 1945 was prognosticated, along with the view that our consumption in 1939 had been 550,000 pounds. The facts of experience are all against these figures. Imports from Japan in 1939 totaled 354,000 pounds on a domestic market ranging from $3.10 to $3.35 per pound. Consumption per year in this country has never approached the 500,000 pound mark even when the price was as low as $1.75 per pound. The consensus was that an estimated consumption of anything like 650,000 pounds per year is purely wishful thinking not apt to be realized.

Methanol.—The latest report of the Bureau of the Census regarding production of natural and synthetic methanol provided figures on bases that made comparative conclusions impossible. The basis of synthetic methanol is 100 percent purity. That of natural methanol is 80 percent purity. By reworking the six months' production of 2,078,000 gallons of 80 percent natural methanol, that quantity would represent approximately 1,351,114 gallons of refined methanol of 100 percent purity, which would then compare informatively with the production of 37,273,000 gallons of 100 percent synthetic methanol.

Milk Powder.—Material imported into Canada for use as animal or poultry feed, or by manufacturers thereof, is accorded duty-free treatment from August 1 through December 31, this year. The War Food Administration on August 11 and August 18 bought a total of 7,553,643 pounds of spray process powder, and 173,100 pounds of whole milk powder.

Penicillin.—Sale of this article in El Salvador is prohibited unless license is obtained from the Committee of Economic Coordination. The article may be imported into Peru free of duty and other charges except consular fees.

Quicksilver.—The local market had the appearance of being quite solid. No surplus of supply was reported locally and the movement of conservatively sized quantities was sufficient to prevent such an accumulation at an early date. Prices remained very firm.

San Francisco, Sept. 13.—Stocks on this market are reported to be rather low; little actually spot metal is available. Sales of futures two and three months ahead are being made. Production is expected to decrease in September. The price holds at $100 to $105 per flask.

Quinine.—Colombia, Central America, has forbidden export of quinine salts in order to conserve Colombian supplies. Makers and dealers have been required to declare their stocks.

Yeast.—The War Food Administration on August 16 bought 240,000 pounds of dry active yeast at 50¾c. per pound. By action of WFA and effective September 16, each manufacturer who owns and has in his possession active dry yeast, and each manufacturer who on or after that date produces that material, is required to set aside 100 percent of active dry yeast for sale and delivery to the government. This action does not affect other types of yeast or yeast products. The action was necessary because current production is insufficient to meet civilian needs, larger requirements of the armed forces, and the increased military needs of the United Kingdom and the Soviet Union. The order affecting the set-aside was WFA-112. Provision is made for sales of limited quantities to persons other than government agencies. For this purpose, each manufacturer is allowed a total quantity not to exceed 10 percent of the August, 1944, production, or 10,000 pounds, whichever is the lesser.

A.Ph.A. Receives Award For Quinine Pool

Citing the war service of American pharmacists in contributing their quinine stocks to a national pool of more than 152,000 ounces for the armed forces, the War Production Board has awarded a scroll of appreciation to the American Pharmaceutical Association, the collecting agency.

The presentation was made at the American Institute of Pharmacy by two pharmacists of the War Production Board, Fred J. Stock, chief of the Drugs and Cosmetics Branch of the Chemicals Bureau, and Henry W. Heine, chief of the Botanicals and Imports Unit of the Drugs and Cosmetics Branch of the Chemicals Bureau. The pharmacists were co-signers of the scroll with Donald M. Nelson, WPB chairman.

E. R. Squibb & Sons has added a third star in its Army-Navy Production 'E' Award.

Obituaries

—Continued from page 4

ness of the Commercial Pigments Corporation was consolidated with the lithopone and dry color interests of the du Pont company to form the Krebs Pigment & Color Corporation. Mr. Rupprecht was elected president and a director. The Krebs pigments department was established in 1935, and he was named general manager. That department was renamed the pigments department as of January 1, 1943.

Reginald Totman

Reginald Totman, for twenty years associated with the Summers Fertilizer Company, died at Winterport, Me., recently. He was forfty-two years of age.

Born in Chelsea, Mass., Mr. Totman was a graduate of the Rhode Island School of Design, Providence, R. I., and became associated with the Summers company in 1924. For many years Mr. Totman was located in Baltimore as traffic manager of the Summers company. He was placed in charge of its terminal operations at Winterport, Me., in 1938 and later, in conjunction with his terminal duties, was general manager of Summers' potato dehydration operation at Winterport. He is survived by his wife and one daughter, his father, H. E. Totman, three brothers, J. E., F. H. and N. K. Totman, all of Summers Fertilizer Company, and two sisters.

W.J. Trevillian

William J. Trevillian, for many years executive vice-president of W. T. Rawleigh Company, manufacturer of medicine and food products, died in Freeport, Ill., August 28. He was sixty-one years of age. Mr. Trevillian was a member of the Illinois Pure Food Commission.

Walter Ralph Aston, who retired in 1926 as an executive at the refinery of the Nichols Copper Company, died in South Ferry, Conn., September 5. He was seventy-one years of age.

Norman M. Collart, of Sherwin-Williams Company, Cleveland, O., died August 17. He was fifty-four years of age.

Daniel Colliver, general purchasing agent for Anaconda Wire & Cable Company, died last week. He was forty-five years of age.

Laurence Carneal Minor, sales executive of the Procter & Gamble Company, Cincinnati, died September 5. He was sixty-five years of age.

J. Rufus Sammons, comptroller of the United Drug Company for the last ten years, died August 25. He was fifty-seven years of age.

Albert H. Vandam, president of Albert H. Vandam Company, textile converter and commission merchant, died in New York, September 7. He was fifty-eight years of age.

Continental Can Postwar Reconversion Discussed

Summarizing his views on Continental Can Company's employment situation after the war, Carle C. Conway, president and chairman of the board, has sent a letter to some fifty plant managers throughout the country pointing out that the company probably will be able to maintain present employment levels without interruption during the transition from a war to peace-time economy.

Superior raw materials insure superior finished products

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TO SIMPLIFY PRODUCTION CONTROL . . . USE

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Over 90 different products with many physical forms and grades for efficient use.

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Over 30 standard and special salts with many different meshes, bulks, etc. for every purpose.

*Since Bismuth Compounds are on allocation, it is necessary to file with the W.P.B. for quantities in excess of 25 pounds per month. We shall be glad to forward copies of the W.P.B. forms and we invite you to forward your orders for prompt delivery of MALLINCKRODT BISMUTH COMPOUNDS.

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Over 90 salts including Chloride in 5 different meshes, Gluconate, Iodide, Mandelate, etc.

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Over 50 Iodine products each developed for utmost efficiency in its particular field.

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Over 80 standardized and special salts chemically and physically controlled for regular or special uses.

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Over 40 Mercury products.

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Over 125 standardized and special salts including Acetate, Borate, Gluconate, Oxalate, Sulfate, etc.

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A complete line of Aluminum, Calcium, Magnesium and Zinc Stearates physically and chemically controlled for all industrial and pharmaceutical uses.

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Ammonium, Calcium, Magnesium, Potassium and Sodium Sulfites; and Potassium and Sodium Meta-Bisulfites. Uniform and stable with high SO_2 content.

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SUGGESTED USES: As an emulsifier in the manufacture of cosmetics, pharmaceuticals and food stuffs (including paste emulsions of edible oils, shortenings, etc.)...as a protective coating for Edible Hygroscopic Powders and similar crystals and tablets (and even fresh fruit and vegetables)...as a pour point depressant for lubricating oils...as a lubricant for paper and cardboard in dry die-forming...as an emulsifying agent in the polymerization of synthetic rubber...as a protective anti-oxidant coating for metals...as a preliminary binder for clays, abrasives, etc...as a general emulsifying or thickening agent...as a suspending agent for organic or inorganic materials in aqueous solutions.

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Chemical Manufacturers
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Borates 'Trust' Suit

—Continued from page 3

rector and vice-president-treasurer; G. R. Dudley, Long Beach, Calif., director.

American Potash & Chemical Corporation, New York, and C. F. Baker, New York, president; and joint trustee of Goldfields; W. J. Murphy, New York, vice-president in charge of sales; Robert M. Curts, New York, sales manager; Frederick Viewig, Los Angeles, vice-president and West Coast manager.

Borax & Chemicals, Ltd., London, England, and William T. Hatchley, London, president and director.

The Three Elephant Borax Corporation, New York; Goldfields American Development Company, Ltd., London; and United States Borax Company, Los Angeles.

The indictment alleges that the defendants have:—

(1) Acquired control of virtually the entire world supply of crude borates, borax, and boric acid by acquisitions and trade practices which have driven out or prevented competition by American concerns.

(2) Have allocated foreign and domestic markets and customers.

(3 Have agreed upon restrictive selling and distributing methods, terms, and conditions, including the prices at which those products are sold.

In a statement accompanying the announcement of the department, James E. Markham, Alien Property Custodian, recalled that the American Potash & Chemical Corporation is a vested corporation, having been taken over by the Custodian "to make sure that this crucial chemical industry was not bent to enemy purposes." Since it was vested it has been operated by a number of outstanding American business men appointed to the board and under the joint management it has made a signal contribution to the war effort.

Wendell Berge, Assistant Attorney General in charge of the Anti-trust Division, stated that the cartel formed by the defendants was unique in that practically the entire world supply of borax and boric acid is produced from raw materials mined and found in the State of California. These raw materials, the manufacture of the finished products, the trade within the United States and between the United States and foreign countries, the indictment alleges, are all controlled by and subject to the monopolistic and price-fixing agreements of a foreign combine. Mr. Berge said that the actions instituted supplement the seizure by the Alien Property Custodian of the German owned stock in American Potash & Chemical Corporation, one of the principal defendants. The investigation was conducted with the cooperation of the A.P.C., whose seizure of the German stock was the first step toward breaking cartel control of the industry.

Alcohol Allotments

—Continued from page 5

not represent any change in basic quotas and that the increase allowed is a percentage of present quotas and not of the base year. Thus those who were allowed 50 percent of the base experience will be allowed to purchase 62½ percent in the fourth quarter.

In the case of drugs and pharmaceuticals this means an allotment of 125 percent of the amount of alcohol the industry has been getting in the third quarter, while for antiseptics and mouth washes it is 75 percent and for toiletries and cosmetics it is 62½ percent.

A representative of the Chemicals Bureau informed the committee that government stocks of 190 proof alcohol totaled 58,100,000 gallons on September 1. This represents a reduction of 22,800,000 gallons from the August 1 figure of 80,900,000 gallons. Present restrictions on the use of corn, which is desirable for the production of industrial alcohol and essential for the manufacture of bourbon whiskey, might be lifted by November if current corn crop estimates are realized, it was added.

WPB Redistribution

—Continued from page 7

textiles, officials feel that this does not present a problem any longer.

Because it might be desirable for continuance of this work in commodities that are still in very tight supply, it is possible that something like what has been done by the redistribution branch may become a function of the Defense Supplies Corporation as a part of its general program of disposing of surplus government-owned chemicals. No decision has been reached on this as yet, however.

Cartons for Sale by WPB

The New York regional office of the War Production Board, Empire State building, has among its surplus stocks for disposal 175,000 chipboard containers 4½x4½x7 inches square, rounded corners, metal top and bottom, and 11,500 solid fiberboard cases, 14x9½x14½ inches. They are being handled by W. L. Tindale, Murray Hill 3-6800, Ext. 428.

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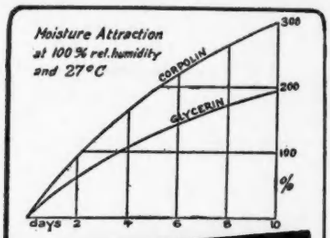

Showing Hygroscopicity of
CORPOLIN
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GLYCERIN
(not for cosmetic use)
See this paper, issue of February 8, 1943, page 50
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EPHEDRINE ALKALOID AND SALTS
ERGOT
GALLIC ACID N. F. and TECHNICAL
GELATIN, *Silver Label*
GUM TRAGACANTH, *Ribbon, Powder*
HAARLEM OIL, *Tilly Brand*
HYOSCINE (Scopolamine) Hydrobromide
ICHTHAMMOL N. F.
ISINGLASS, *Russian*
LYCOPODIUM
PAPAIN
SPANISH SAFFRON, *Whole and Powdered*
SPARTEINE SULFATE N. F.
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TIME OF HEAVY SEASONAL CONSUMPTION IS APPROACHING

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Our years of experience, extensive manufacturing facilities, chemical control, and complete production in our own plants, mean high uniform standards of quality —and a dependable, continuous source of supply for our customers.

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Emetine Alkaloid
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Homatropine Hydrobromide, U.S.P.
Homatropine Hydrochloride
Homatropine Sulphate
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ALKALOID EXTRACTING MANUFACTURERS

Botanical Drugs, Spices, Gums

Supplies of domestic botanicals this year will be not much larger than they are at the present time. Collection activity is undergoing its normal wane and further additions to available supplies cannot be more than moderate at the best.

As to foreign botanicals, moderate quantities of certain items have been obtained but, in the main, shortage more or less acute is likely to be the lot of crude drugs originating in foreign parts unless the German, by an early surrender, throws open foreign sources of supplies that have been closed for several years to importers here. The heart of the European botanical market is Czechoslovakia, Yugoslavia, Poland, and some Balkan lands. Italian ports on the Adriatic and Mediterranean seas, and Marseille on the latter body of water, were the main ports for exports, though Hamburg, Germany, a port of decreasing importance since World War No. 1, continued to export. The Allies—especially Russia—have liberating forces at the gates of all these countries and German surrender would raise substantially the chance of getting needed European botanicals to this market. A sign of the times last week was the Allied occupation of the Greek island of Chios if the Turkish shortwave broadcast eventually be confirmed by the Allies.

Price changes in the botanical market last week were of the run-of-pile variety, coming mainly in the form of declines in quotations for condimental items but with arnica flowers, chamomile flowers, and pulsatilla herb turning cheaper in the drug group. An amazing price situation fact turned up in the retail prices being obtained for the limited quantities of ground cassia, Spanish saffron sold in specialty stores.

Balsams

Peru.—A gain in small orders built a very fair sized total volume of sales by the close of last week, stiffening prices considerably and maintaining a market of firm undertones.

Tolu.—The market was slow. Demand was hand-to-mouth and solely of jobbing description. Prices held steady.

Barks

Cascara Sagrada.—Although activity was cabined, cribbed and confined to small lots last week no major movement was reported here, and it was also said that not too much business was going direct from large consumers to the primary market operatives. Prices were steady here.

Cocillana.—Major consumers had a tough time last Winter and their lot will not be much better in that to come. The reserves are not wha they should be at this time of the year and production of many products requiring cocillana will not be easy.

White Pine.—The stockpile of this article has not grown to normal proportions and not too much white pine compound will be available during the coming Winter. The undertone of the market holds strong.

Beans

Vanilla.—The shock of losing 110 tons of Bourbon beans, sold about 75 percent into consumption when the ocean freighter sank enroute to this country, has dissipated itself to some extent. However, dissipation has left a deposit of high, strong prices in its wake, and since no early replacement of the lost beans is likely, shortage of spot stocks seems an inevitable future for the item.

Berries

Raspberries. — Replacement costs hold high in the primary market and attempts to bid have lacked success of late. The local position continued to be one of substantial strength.

Saw Palmetto.—Labor for collection purposes poses a problem not easy of solution in the primary market. Hence reserves at the source are expected to remain in the comparatively short side, with the consequent result of prices being maintained there and here.

Market Trends

Prices Advanced

Drugs

Catnep herb, 1c. per lb.

Other Articles

Mustard seed, Montana, yellow, ½c. per lb.
Washington, ½c. per lb.
Pepper, red, chillies, Carolina longs, 1c. per lb.
Thyme, Spanish, ½c. per lb.

Prices Reduced

Drugs

Arnica flowers, 5c. per lb.
Chamomile flowers, Hungarian type, 5c. per lb.
Pulsatilla herb, 13c. per lb.

Other Articles

Caraway seed, Spanish, dewhiskered, 1c. per lb.
Cardamom, bleached, bold, 2c. per lb.
medium, 2c. per lb.
decorticated, 5c. per lb.
Celery seed, Indian, ½c. per lb.
Dillseed, dewhiskered, ½c. per lb.
Ginger root, Jamaica, No. 3, 2½c. per lb.
Marjoram, Chilean, ½c. per lb.
Nutmeg, West Indian, ¼c. per lb.
Pepper, red, chillies, Carolina sports, 3c. per lb.
Louisiana sports, 3c. per lb.
Pimento, Jamaica, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914.)

Last week.	Prev. week.	Last month.	Last year.
245.4	246.2	253.0	264.1

Flowers

Arnica.—Spot prices for goods of domestic origin were lower at $2.45 to $2.50 per pound last week under the influence of an inflow of more competition in local circles.

Chamomile.—More competition was current on the spot and sales at the lower price of 45c. per pound were reported repeatedly. It was a buyers' market to an extent greater than for some time past.

Clover.—Offerings made at 39c. to 40c. per pound found a not too large number of consumers showing interest in the proposals. The supply will have to be stretched considerably if essential needs are to be met.

Saffron.—It is surprising that $50 per pound can be asked for Spanish flowers if and when available on spot, against a current replacement quotation of $36 to $38 per pound. And a legitimate ceiling for Spanish material is about $40 to $42 per pound. Yet reports of $50 being asked abound. Retail stores dispense at $60 per pound, or 10c. for a package sufficient for one dish.

Gums

Arabic.—Activity continued moderate and irregular throughout the past week. Prices proved still to be on the easy side and more favorable for buyers with firm orders in hand than for sellers with goods in stock. Some think that recovery of strength awaits final resolution of the war in Europe. Victory for the Allies is expected to restore to primary market sellers export markets denied them for the past five years.

Mastic.—Over the short wave radio at Ancora, Turkey, last week came the declaration that Allied troops have occupied the island of Chios, from whence comes gum mastic when war does not prevent. The broadcast has not yet been confirmed in Allied quarters as to fact.

Tragacanth.—Recent arrivals have renewed some dealers' stocks substantially and since demand has not been very active since the landings, the undertone of the market has become easier even though prices are no lower.

Herbs and Leaves

Catnep.—Spot quotations were 33c. to 35c. per pound, a development in a market recently turned toward the firmer side of events.

Digitalis.—Cultivation has made available a substantial quantity of material for one of the larger manufacturing consumers. In a broader sense the market is far from being oversupplied with unsold merchandise.

Marjoram.—Chilean material has

For Current prices see alphabetical listing beginning on page 9.

CHECK YOUR NEEDS
OF HOPKINS' ANALYZED HIGH-STANDARD
CRUDE DRUGS

"When a person buys a cheap article he feels good when he pays for it and disgusted every time he uses it; when he buys a good article he feels good every time he uses it, for the recollection of quality remains long after price is forgotten.

Pay the price for pure standard quality goods and you will get them; ask the price for pure standard quality goods and your customers will sustain you.

No sir, we are not the cheapest, tho' perhaps you will find that in the long run (or short sprint) we are the least expensive."

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
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BALSAM TOLU
BELLADONNA Leaves and Root
BOLDO LEAVES
BORAGE FLOWERS
BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
VALERIAN ROOT

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GUM CAMPHOR, Japanese and Domestic
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dropped to 33c. to 33½c. per pound, but other varieties of this herb remain quotably unchanged and generally steady.

Pulsatilla.—Spot offerings at the lower price of 65c. to 66c. per pound came with the development of somewhat larger interest in the item. Stocks were considered to be conservative, nonetheless.

Thyme. — Spanish material was shaded to 18c. to 18½c. per pound in a very dull spot market last week. California material was offered but few chose to close with Pacific coast proposals.

Miscellaneous

Grains of Paradise.—Spot goods were offered at 37c. per pound, and merchandise to arrive was quoted at 25c. to 26c. per pound without the line of potential buyers becoming crowded. It seems odd that at one time this article was raw material for brewers.

Lupulin.—Mighty little of this article was available and those with supplies had prices entirely in their favor since sales have been made over the range of $7 to $10 per pound.

Quassia.—Very little activity accompanied very firm prices. A larger outlet for supplies might exist if brewers of beer still used this item as a replacement for hops.

Roots

Gentian.—The supply appeared adequate to the current moderate demand and hence prices reflected firmness as their leading characteristic. If, as at one time in the past, brewers of beer occasionally substituted gentian for hops as a bitter element in that widely used beverage, movement of current stocks might be less a problem.

Goldenseal.—This article is likely to be increasingly difficult to obtain. Many cultivation patches have been abandoned since exports all but stopped and resumption of production by cultivation means a growing of plants at least two, and better still, three, years before collection.

Rhubarb.—Stocks were increased when 1,306 bags arrived during the past week, creating a reserve that came to a spot market noted mainly for current stability of price and not for consuming requests.

Valerian.—Arrivals totaled 117 bags. A fair spot supply was available at the time of arrival, but the reserve mounted without affecting asking prices adversely.

Seeds

Anise.—Some Turkish seed was reported being offered for shipment, but agents of the shipper were unable to quote on a to arrive basis.

Caraway. — Dewhiskered Spanish seed was priced lower at 65c. to 66c. per pound, takers being few.

Cardamom.—Decorticated seed continued to decline in price, reaching 80c. to 82c. per pound under conditions favorable to successful bidding by potential buyers. Bleached was also lower at $1.18 to $1.25 for bold and $1.08 to $1.15 for medium grades.

Celery.—Spot quotations were shaded to 18½c. to 19c. per pound just at the time when arrival of 689 bags of Indian seed was reported.

Dill.—Seed already barbered and, hence, free from whiskers, was cheaper on spot at 14½c. to 15c. per pound as owners sought buyers.

Mustard.—Comment regarding the recently issued governmental estimate of the coming crop of yellow seed has crystalized in the belief that the figures were probably too high. Montana and Washington yellow were

—Continued on page 66

Magnesium Output: 1943

Production of primary magnesium in the United States in 1943 totaled 183,584 short tons, compared to 48,963 short tons in 1942. Production in 1941 amounted to 16,295 short tons, against 6,261 short tons in 1940 and 3,350 short tons in 1939. Four new plants were put in operation during the year, including Dow Magnesium Company, Marysville, Mich.; Amco Magnesium Company, Wingdale, N. Y.; Electro Metallurgical Company, Spokane, Wash., and Mathieson Alkali Works, Lake Charles, La., and all primary metal plants were virtually completed during 1943.

Sisto Plating Company, Los Angeles, is erecting an addition to its plant.

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This gum was named Euphorbium to honor Euphorbus, physician to King Juba II who ruled the kingdom of Mauritania when Jesus the Christ was born in Bethlehem. The king, who died A. D. 18, was distinguished for his literary attainments, among which were his books on euphorbia gum and opium.

Mauritania was located north of the Senegal river in what is now Morocco and western Algeria. The gum, which is considered a native of Morocco, grows on the lower slopes of the Atlas Mountains in the southern province of Suse. Mogador was and still is the port of export on the Atlantic ocean.

Gum euphorbium is a powerful vesicant that was formerly employed as an emetic and purgative, as well as an ingredient in paints used to preserve ships' bottoms.

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Essential Oils, Other Aromatics

Firm market undertones were reported in essential oils and aromatic chemicals last week. Supplies of oils were little better than they had been of late and prospects for any substantial increase in available supplies were reported poor. In aromatic chemicals, the main problem was raw materials, stocks of which as allocated for the manufacture of such products being definitely limited. It appeared certain that stocks of all materials are bound to remain insufficient until victory in Europe shall bring a partial restoration of commercial contacts and, also, make possible an easing of allocation controls over aromatic chemical raw materials.

Continuing its much improved crop reporting on peppermint and spearmint oils, the Bureau of Agricultural Economics on September 9 issued another report covering indicated production of both those materials. It was much more favorable than the August report and the improvement was the more surprising when ad interim reports of dry weather and uncertain yields were considered. It appears now that production of peppermint in 1944 will run about 318,000 pounds ahead of 1943; spearmint, however will be about 1,000 pounds less. All but one of the six states producing peppermint is expected to exceed 1943 output, approximately as follows:—Indiana, 139,000 pounds; Michigan, 54,000 pounds; California 23,000 pounds; Oregon, 74,000 pounds, and Washington, 28,000 pounds. Only in Ohio is no gain indicated. The drop in spearmint production will be mainly in the Indiana output, the fall there being 12,000 pounds from 1943 output.

French Oceania oils were in very tight position and only successful passage of another freighter with replacement oils can relieve the situation. Production of clove-stem oil in Zanzibar in 1943 totaled but 275,000 pounds, comparing with 450,000 pounds in the previous year. The colony is carrying on extensive research to increase the number of products obtainable from clove spice. Research concentrates, to some extent, on finding a material more valuable than vanillin and produceable from either eugenol or clove.

Market Trends

Prices Advanced

None

Prices Reduced

Dill, weed, oil, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914.)

Last week.	Prev. week.	Last month.	Last year.
261.6	261.6	262.5	248.3

Essential Oils

Apricot Kernel.—Offerings of replacement goods were conservative and generally at prices precluding any development of lower spot quotations. Current activity was along jobbing lines throughout the week.

Bay.—Business showed moderate improvement. More inquiry was in the market and sales were on the rise within moderate limits. Undertones continued to be very steady.

Birchtar.—Until foreign conditions are such that replacements may be brought forward by usual channels, replenishment of the virtually exhausted spot supply of this material will be impossible. Odd lots are in hand on spot in a few quarters but no major transactions are possible.

Caraway.—Little spot material was available in most quarters; numerous dealers, formerly distributors of this oil, have had nothing in stock for months. Undertones were naturally strong.

Cardamom.—Raw material continued to decline in price and show pronounced price unsettlement favorable, in the main, to manufacturing and other consumers. Oil was in moderate supply and prices held strong.

Celery.—Plentiful stocks of raw material were available and prices for the same were definitely unsettled and favorable for consumer operations. Oil was in fair supply and the market was moderately easy.

Citronella.—Britain is reported buying liberally in Ceylon at advancing prices. The local situation remains unchanged. Arrivals totaled 27 drums.

Clove.—The market position was more than ordinarily tight. Loss of raw material believed aboard a ship sunk at sea and put a crimp in the production plants of the oil makers. There is a bare chance that the spice was not aboard said ship, in which event, it will get here eventually, subject to the wartime delays. This affects, also, the supply of oil made in Madagascar by the Clove Growers' Association. The production in Madagascar during 1943 fell to 275,000 pounds after the bumper output of 450,000 pounds in the previous crop year.

Dill.—Quotations of weed oil have been reduced to $4.75 to $5 per pound as new crop material comes on the market.

Geranium.—More oil is likely to be despatched here to replace the Bourbon material recently lost at sea but the time involved in transit of the needed oil is a factor totally uncontrolled by local factors. A tight situation seems likely to continue for a long time to come.

Ginger.—Distillers have to get along with short rations of raw material and hence stocks of oil continue conservative and are produced at relatively high cost. Not much demand for oil was reported last week.

Lemon.—Far more oil than is currently available could be used here and there is nothing at this time that suggests an early increase in oil made available for civilian products. Reports last week suggested that the 50,000 odd pounds of oil now held by the Army in Italy may, on arrival here, be made available only to processors holding government contracts for essential products. It is considered near to amazing that since the Army brought 100,000 pounds here for its purposes, it seems to have lost all further interest in forwarding oil on returning transports.

Lemongrass.—Quiet at the moment, but in very firm position as stocks remain moderate in size and are not being replaced in sizable quantities. However, an arrival of 49 drums, was reported last week.

Nutmeg.—So far as producers are concerned, the supply of raw material continues very short, keeping supplies of oil at a minimum.

Orange.—Stocks were in very good shape and all requirements were promptly met during the past week. Prices on most varieties continued to be steady, but those prevailing on Brazilian oil showed a slight tendency to bend in favor of buyers.

Peppermint.—The Bureau of Agricultural Economics, Department of Agriculture, is certainly giving peppermint oil factors topnotch service this year in the form of reports on crop prospects and the progress of distillation. Under date of September 9, the BAE declared that the indicated production of 1,144,000 pounds of peppermint oil for the current crop is 38 percent higher than that of 1943 and 9 percent over the eight-year average (1935-42). The increase over the August estimate was reported caused by the rise in Indiana, Oregon and Washington yields. Prospects for Michigan, Ohio and California remain unchanged.

The following tabulation gives the estimated production of peppermint for the 1944 season, as of September 9, with comparative output figures for the actual production in 1943.

Peppermint Oil Output

	Pounds	
	1944	1943
Indiana	425,000	*286,000
Michigan	288,000	234,000
Ohio	4,000	4,000
California	48,000	25,000
Oregon	207,000	133,000
Washington	172,000	144,000
Total	1,144,000	826,000

Of some interest may be the fact that the production of St. Joseph's county, Michigan, which is still the center of Michigan peppermint oil

For Current prices see alphabetical listing beginning on page 9.

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production, was 25,500 pounds in 1857 and was sold in the New York city market at $3 per pound. The yield at that time was 8 to 12 per pound per acre. The indicated yield for 1944 is 24 pounds per acre and the ten-year (1933-1942) average is 29.1 pounds per acre. The 1943 yield was 18 pounds to the acre.

Spearmint.—Indicated yields for the 1944 spearmint herb crop is somewhat larger, according to the Bureau of Agricultural Economics as of September 9. Indiana and Michigan production of 228,000 pounds of oil is 5 percent less than in 1943 but is 46 percent above the 1935-42 average.

Spearmint Oil Output

	Pounds	
	1944	1943
Indiana	162,000	174,000
Michigan	66,000	63,000
California	2,000	.....
Total	238,000	239,000

Aromatic Chemicals

Anethol.—In very moderate supply with most dealers and distributors lacking prompt delivery material.

Anisic Aldehyde.—Kept in low supply by insufficient quantities of raw material. Undertones kept the market strong.

Benzaldehyde.—Limitations on the availability of this material keeps down production of derived products. Hence, the position was one of substantial strength from whatever point of view.

Eugenol.—Curtailment of production is indicated by the drop in quantities of raw material available for processing. The Colonial Products Research Council in Zanzibar is working on eugenol to determine if any products of economic value greater than vanillin can be obtained.

Rubberset Gets 'E'

Rubberset Company, manufacturer of tooth, shaving and paint brushes, Newark, N. J., has been awarded the Army-Navy Production 'E' Award. The company is a subsidiary of Bristol-Myers Company.

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Petroleum Derivatives

Aside from crude oil price markups in two widely separated oilfields, a slight additional decline in the daily rate of crude production and a further liberalizing of the War Production Board's restrictions on non-military uses of high solvency aromatic naphthas, there have been no new developments of note in the market for petroleum and its derivatives within the past week.

With the war's requirements in high-octane gasoline absorbing the bulk of the current production of gasoline, there has been a further diminution in the output, accompanied by another reduction in nationwide stocks, of this volatile liquid motor fuel. Inventories of both light and heavy fuel oil, however, have been slightly amplified but all the naphtha specialties and other solvents, liquefied petroleum gases and virtually all other petroleum derivatives have been drawn upon so heavily by the exigencies of the war as to leave less and less available for civilian uses.

It is currently reported in the refining industry that the extraordinarily powerful gasoline that will hereafter be required to operate the new mammoth superfortress will run close to and perhaps beyond 200 octane, requiring a building up of 100-octane type now used in most of the bombing and fighter planes by the addition of many more of the liquefied gases and other light hydrocarbons and also draining supplies of gasoline still further.

Confuting recent predictions of a possible shortage of crude petroleum, if the present heavy drains are maintained indefinitely, eminent oil geologists are now contending that this bugaboo of insufficiency of sources is based merely upon known reserves and takes no cognizance of the prolific potential supplies in untapped areas in many countries. These authorities assert that there is a backlog of oil sufficient to supply civilization at present rates of consumption for centuries.

Solvents and Diluents

Aromatic Solvents.—Of only slight benefit to civilian users, order M-150, covering aromatic solvents, has been amended by WPB so as to embrace blends as well as Class A and Class B solvents and so as to add three further uses for Class B solvents while also extending the list of prohibited uses in Class A solvents.

This latest amendment to M-150, which adds definitions of Class A and Class B blends to the lists and requires those delivering all of these solvents and blends to notify all customers that their solvents must not be used for any prohibited purposes, allows these three additional uses of Class B solvents:—(1) use of one drum per month for experimental and research work; (2) zinc chromate primers for aluminum or magnesium surfaces for the military services and (3) use in the production of Class B blends, while prohibiting these additional nine end uses of Class A solvents:—(1) trucks for maintenance, except parts; (2) institutional, except for hospital operating rooms; (3) industrial plants; (4) defense housing; (5) commercial and residential buildings; (6) model airplanes; (7) toys and games; (8) jewelry, novelties, cosmetic compacts and cigarette cases, and (9) artificial flowers, feathers and plumes. It has also broadened the definition of Class A solvents by describing them simply as those having an A.S.T.M. to 50 percent distillation point lower than 330 degrees Fahrenheit (165 degrees Centigrade).

The government's further call upon stocks of toluol, it is feared in some quarters, may result eventually in a shortage in xylol, unless it diminishes materially with the ending of the war in Europe. To date, however, processors of the high solvency aromatic naphthas have sufficient supplies of xylene on hand to meet all current demands.

Cleaners' Naphtha.—Buying interest continues keen on both military and civilian accounts, with the former far outstripping the latter in takings. Prices firmly maintained throughout the list.

Lacquer Diluent. — Still moving steadily into both war production and non-military uses. Market strong.

Mineral Spirit.—In unabatedly brisk call. Tone strong.

Rubber Solvent.—Synthetic rubber manufacturing interests continue to absorb the lion's share of all current output and offerings. Market stable.

Stoddard Solvent. — Heavy shipments on military account are still being made while the non-military demand is almost equally active. Prices strongly held.

V. M. & P. Naphtha. — Extensive purchasing of this naphtha specialty continues to be noted, with those engaged in war production work taking up the bulk of this material available. Tone strong throughout.

Market Trends

Prices Advanced

Crude petroleum, Irma pool, Nevada County, Arkansas, 20c. per bbl.; New Hope, Franklin County, Tex., 5c. per bbl.

Prices Reduced

None

Markets at Other Centers

Chicago, Sept. 15.—Solvents and diluents are tight and firm marketwise in this area. War needs are still an important part of business. Paint industry interest continues good. Rubber industry takings continue to expand.

Lighter Fractions

Butane.—With manufacturers of 100-octane gasoline and synthetic rubber draining the market for this liquefied gas, wherewith to build up their output of this aviation gasoline and artificial rubber, to aid the war effort, little of this lighter hydrocarbon product remains for home heating and cooking or for any other private industrial purpose. Prices still very firmly maintained.

Heptane.—Buying interest mounting. Market strong.

Hexane.—An increasing movement is noted in this hydrocarbon. Tone firm.

Octanes.—Being shipped in ever-increasing quantities. Market stable.

Pentanes.—Still moving steadily and in growing volume. No change in price structure.

Propane.—The same situation as that prevailing in butane is also featuring the market for this liquefied gas.

Petrolatums and Waxes

Amorphous Waxes. — A routine movement is noted in these waxes, under the leadership of the standard process types. Prices generally well maintained.

Paraffin.—Crude scale, in overplentiful supply at times earlier in the year, is now moving in increasing volume abroad to meet lend-lease requirements, so that the supply situation therein is steadily tightening. No relief from the shortage in refined grades has yet been afforded. The Mexican government's export duties on paraffin have been increased from 0.00088 pesos to .80 pesos per gross kilogram.

Petrolatums.—USP, veterinarian and technical grades continue moving into consuming channels in fair volume, with prices well maintained throughout the list.

White Mineral Oils.—Some shading of prices continues to be practiced by relatively small suppliers but leading producers are adhering strictly to their old price schedules and are still securing the bulk of the available business.

Fuels and Lubricants

Crude Petroleum.—There has been a slight diminution in the rate of domestic production reported for the week ended September 9, the rate having declined 8,000 barrels, from 4,592,000 barrels to 4,584,000 barrels daily. Crude oil runs to the refineries have also shown a drop for the same week.

In line with its policy of authorizing markups in prices of crude oil wherever warranted by rising costs of pro-

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duction, the Office of Price Administration has sanctioned an advance of 20 cents per barrel in the price of crude oil in the Irma pool, in Nevada County, Arkansas, while the Gulf Refining Company has announced a 5-cent per barrel raise in its prices for New Hope, Franklin County, Texas, crude oil. Its new schedule begins with 25-25.9 at 95 cents with a differential of 2 cents and ends with 40 and above at $1.25 per barrel.

PAW has revoked petroleum directive 64, which provided for the allocation of about 40,500 barrels of crude oil daily to specified Midwestern refineries that might need additional quantities of crude oil to meet essential military and civilian needs.

Under the terms of a bill, designated as S. 2111, passed September 12 by the United States Senate, the time period within which operators of oils and gas leases on the public domain may have to comply with requirements of their five-year leases would be extended for another year, beginning September 12. Under the existing law, the rights of leaseholders for a renewal of their leases on lands within the producing structure of an oil or gas well would expire December 31, unless they began drilling operations before that time.

Gasoline.—The nationwide supply of gasoline has shown a further drop of 345,000 barrels within the week ended September 9 from 79,921,000 barrels to 79,576,000 barrels. But the supply is still 8,558,000 barrels larger than a year ago. Production for the same week fell from 14,265,000 barrels to 14,093,000 barrels, with the reporting refineries representing 87.2 percent of the total refining capacity of the industry, operating at 93.4 percent of capacity, compared with 93.6 percent in the previous week.

PAW has announced the allocation of 1,173,000 barrels of automobile gasoline daily for civilian consumption in the United States for the fourth quarter of this year.

Fuel Oil.—Nationwide stocks of light fuel oil are reported to have risen within the week ended September 9 from 38,051,000 barrels to 4,584,000 barrels.

Kerosene.—The Official Gazette of the British West Indies has announced a reduction in the general rate of import duty on illuminating oils imported into Antigua from 3 pence to 2 pence per gallon, according to statutory rules and orders No. 3, but it is noteworthy that the preferential rate remains unchanged at 2 pence.

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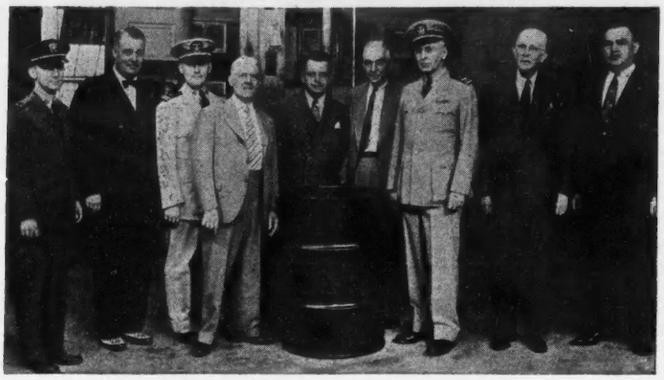

J. M. Finney, president and treasurer of the Cleveland Steel Barrel Company, on August 15 presented to Lt. Commander R. E. Mangin, U.S.N.R., the millionth aviation gasoline drum manufactured by the company for the navy in the preceding two years. Mr. Finney founded the Cleveland Steel Barrel Company in 1912. The plant has been expanded in the past two years to include a modern steel pail production line.

Rheem to Provide Jobs For Disabled Veterans

American industry should take action now to gear itself for full post-war employment of the disabled American war veteran, R. S. Rheem, president of the Rheem Manufacturing Company declared last week.

The Rheem company, which has fifteen plants, has already embarked on a program designed to provide jobs for disabled veterans. A full study, just completed at the company's South Gate, Calif. plant, Mr. Rheem said, showed that 51 percent of its total positions could be filled by handicapped persons. He revealed that similar studies are now being made in all Rheem plants.

T.C. McCobb Retires

Standard Oil Company (New Jersey) has announced the retirement of Thomas C. McCobb, comptroller, and, since 1935, member of its board of directors. Mr. McCobb wound up forty-two years in the oil business at the conclusion of a recent board meeting at which fellow members presented him with a resolution in tribute to his services.

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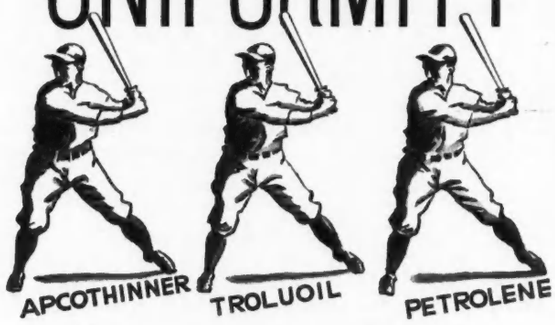

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Fertilizer Materials

Fertilizer tax tag sales in August registered a slight gain over a year ago, according to figures compiled by the National Fertilizer Association. Sales in August were equivalent to 271,000 tons, compared with 266,000 tons for the same month in 1943. While the increase this year was only 2 percent, the gain over 1942 amounted to 28 percent. There was a substantial increase noted in all Midwestern states with the exception of Indiana, which was marked by a sharp decline. The tonnage in most Southern states increased with the exception of Mississippi and Arkansas, both states declining drastically.

Larger production in superphosphate than in shipments up to July 31 has been reflected in the stability of stocks. At the end of July the supply was only 29,000 tons smaller than at the end of last December. Stocks in each of the last four months ending July 31 were well above the level for the corresponding months in 1943.

According to the American Potash Institute, deliveries of potash for agricultural use in the United States for 1943-1944 amounted to 593,346 tons of K_2O, an increase of 4.7 percent over the previous year. Most of the increase occurred in the East North Central states, New England, Middle Atlantic and South Atlantic states, with a smaller increase in the far West.

Department of Agriculture estimates that approximately 300,000 tons of ammonia nitrate were used as fertilizer during the 1943-1944 season. Much of this tonnage was not in good condition. Production of the better grades of granular ammonia nitrate was not started until November, 1943. Further improvements have been made in recent months.

Nitrogenates

Ammonia Nitrate.—Base price for domestic material is $50 per ton in bags at shipping point less 4 percent discount for September orders. Bulk is $4 per ton less or $44 same basis. After September, the discount will be discontinued. Canadian nitrate was quoted at the same nitrogen unit price delivered as ammonia sulphate.

Ammonia Sulphate.—Market reported firm under sustained buying. Moderate tapering off in production was noted and the rapid movement of material from works has been instrumental toward the maintenance of a firm position.

Bone Meal.—There seemed to be enough domestic material to satisfy the current demand from feeders. Buying interest was not extensive. Raw bone meal was in definitely light supply.

Castor Pomace.—No easement in buying conditions could be noted. The sold up position of producers was reflected in the scarcity of offerings for nearby shipment. Inquiries were liberal.

Dried Blood.—Fertilizer manufacturers as well as feeders bought what domestic material was available last week. This is the first time in a long while that fertilizer interests have been active in the buying and paying ceiling figures. It looked as though about all the domestic stock available had been purchased at the close.

Hoof Meal.—Scarcity of this material has made it difficult to place orders. There were unfilled inquiries at the close of the week.

Soda Nitrate.—Reports indicate that a minimum of 850,000 tons of Chilean nitrate will be imported for the season ending June 30, 1945. This is considered the minimum quantity and it is possible shipments may be increased if necessary and shipping space is available. A small importation of this material was noted. During the 1943-1944 season imports amounted to 650,000 tons against 1,000,000 tons for the previous year.

Tankage.—Trading relatively quiet with demand somewhat irregular. Feeders inclined to look for inducements. Supply situation for domestic easier. Advices from Cuba stated that tankage has been added to the list of critical materials and its exportation is prohibited without a prior license from the president of the Cuban Board of Economic Warfare.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock.—Shipments against standing contracts have been responsible for the week's movement. Deliveries have moved from mines regularly under favorable supply conditions. Wheher the movement will be aggravated by a migration of labor to the citrus groves later in the year remains to be seen. Possibly the higher wage schedules effective at the mines at present may restrict the shifting of manpower to the fruit areas.

Superphosphate.—Production in July on the basis of 18 percent a-p-a amounted to 378,104 tons, according to the W.F.A. This represented a seasonal drop from June, but 52,000 tons larger than production in July, 1943. Output from January to July, both months included, was 2,921,931 tons compared with 2,472,765 tons for the same period in 1943. Stocks at the end of July were 594,913 tons, against 521,092 tons for the same month last year. This year's stocks included 13,980 tons of concentrated 45 percent a-p-a basis.

Potashes

Fertilizer factories are receiving their contract shipments promptly under WPB regulations. Production has been maintained at peak levels, and compares favorably with that of a year ago. Total deliveries in 1943-1944 amounted to 741,000 tons of K_2O. Aside from agriculture, it is expected that the chemical industry will consume about 100,000 tons this year. Exports have been made to Canada, to Latin America and friendly European countries. The market held a firm position, with material being moved about as fast as produced.

Sulphur and Pyrites

No relaxation could be noted in the movement of sulphur. Mine shipments continued heavy under a steady miscellaneous consuming demand. Supply situation was ample to meet all requirements in full. Spanish pyrites remained quiet, with market nominally unchanged.

Markets at Other Centers

Atlanta, Sept. 15.—The labor shortage grows in importance in the Southeast, to hamper progress of fertilizer manufacturers toward the high goal set by federal food authorities. Harvesting crops is taking away some of the farm labor which fertilizer plants had used temporarily and before harvesting began. War prisoners, it is claimed, can provide labor in only a few places where a number of fertilizer plants are located. Imported labor from Bermuda and Caribbean regions for harvesting purposes is regarded by fertilizer manufacturers as desirable after harvesting is over. Second only to the labor shortage, the sulphuric acid shortage is continuing to plague the producers of superphosphate.

Baltimore, Sept. 15.—Fish scrap.—The menhaden fishing industry, which fared poorly in the earlier part of the season, is not experiencing any better results at the present time, when the schools of fish are proving very elusive. Since there is no advantage in the factories holding stocks of scrap, the supplies are usually disposed of right along at the ceiling, which continues to stand at $1.21 per unit. The quantity of scrap turned into meal is also limited for the reason that grinders regard the mark-up as too small to yield reasonable profits, and supplies of protein feeding material are held down.

Chicago, Sept. 15.—Trade in nitrogenous fertilizer materials is quiet, but volume is sufficiently good to keep the undertone firm. Livestock supplies have appeared about as expected, indicating fertilizer material supply not far out of line. Blood is quiet. Tankage remains steady. Bone materials are holding their own without difficulty. Dried blood, principal grade, $5.53 per unit of ammonia. Bone materials: — Ground bone, steamed, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scrap, $68 to $70.

Fertilizer Tag Sales: August

	Equivalent tons August 1944	August 1943	Jan.-Aug. 1944
Virginia	35,342	22,783	376,835
North Carolina	11,832	4,200	1,065,193
South Carolina	4,550	4,320	624,523
Georgia	12,745	4,754	866,861
Florida	47,979	30,507	567,294
Alabama	9,200	3,500	557,400
Mississippi	5,030	44,050	306,054
Tennessee	15,814	8,439	219,080
Arkansas	1,500	16,000	103,483
Louisiana	1,050	750	134,720
Texas	1,703	892	140,573
Oklahoma	2,300	2,000	14,351
Total South	149,045	142,195	4,976,977
Indiana	46,927	76,290	316,088
Illinois	17,250	8,143	124,540
Kentucky	20,773	11,501	207,294
Missouri	32,934	24,444	113,238
Kansas	4,500	3,563	32,746
Total Midwest	122,384	123,941	793,906
Grand total	271,429	266,136	5,770,883

For Current prices see alphabetical listing beginning on page 9.

Fertilizer Surcharges Approved to Canada

The War Shipping Administration has given its approval to rate order No. 290 providing for the following rates and surcharges on shipments of fertilizer from Baltimore to New Brunswick and Nova Scotia:—

To either St. John, New Brunswick or Halifax, Nova Scotia, $3.55 (U. S. currency) per ton of 2,240 pounds, plus 16 percent surcharge.

To either St. Stephen, New Brunswick, or Windsor, Nova Scotia, $3.80 per ton, plus 16 percent surcharge.

The new rates and surcharges apply on fertilizer transported under charter terms and conditions, and is effective on loadings completed on and after September 5, 1944.

Trade Briefs

Dr. E. B. Hart, professor of agricultural chemistry at the University of Wisconsin and chemist at the agricultural experiment station, has retired.

Dr. James A. Brizzell, a member of the agronomical faculty at Cornell since 1903, has retired to the post of emeritus professor of soil technology.

LeRoy D. Godfrey, vice-president of the Corn Products Refining Company, Chicago, Ill., has been named to the OPA Corn Industry Advisory Committee.

San Fernando Valley Fertilizer Company is the firm name under which Verne Alva McIntyre has published a certificate that he is conducting business at 4427 Riverside Drive, Burbank, Calif.

Potash Salts Deliveries Reported for Fiscal Year

New high records for deliveries of potash were made by the American potash industry during the fiscal year of June 1943 to May 1944, according to data released by the American Potash Institute. Deliveries of potash in the United States, Canada, Cuba, Puerto Rico and Hawaii during the year amounted to 741,940 short tons K_2O, an increase of 7.5 percent over the preceding year. Potash for agricultural purposes totaled 654,869 tons K_2O or an increase of 5.1 percent. The chemical industry took 87,071 tons K_2O, an increase of 29 percent over the previous year.

Deliveries in the United States for agricultural purposes in 1943-44 were 593,346 tons K_2O, an increase of 4.7 percent over last year. Most of the increase occurred in the East North Central, New England, Middle Atlantic, and South Atlantic States with a smaller increase in the Far West. The West North Central States took exactly the same amounts in both years, while there was a small decline in deliveries in the South Central States.

Deliveries in Canada totaled 39,698 tons K_2O, an increase of 8.2 percent over the past year. Potash delivered to Cuba declined 47.2 percent to 1,595 tons K_2O while Puerto Rico took 16,030 tons K_2O, an increase of 282 percent. Deliveries to Hawaii declined to 4,200 tons K_2O or 64.1 percent under last year.

The high-grade muriate of potash containing 60 percent or more K_2O was by far the most popular material, constituting 76.8 percent of all potash delivered. The 50 percent muriate was 7.2 percent, manure salts 8.6 percent, and sulphate of potash and sulphate of potash magnesia 7.4 percent of total K_2O delivered.

Fertilizer Production Planned in India

Offers of the British government to furnish experts to assist with an all-India program for supplying fertilizers at wholesale ex-factory cost have been accepted, according to the Department fostered by the government of India on a non-profit basis and as a short-term measure to increase food supplies.

of Commerce. The program is to be

The experts will advise on the forms of fertilizers which can most suitably be manufactured in India, the type of plant to be erected, and methods of obtaining economic results. It is proposed to produce about 350,000 long tons of artificial fertilizers annually.

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Conditioners and Fillers A Specialty
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Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
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JOHN D. LEWIS CO.
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Buffalo Vac. Shelf Dryer, 42"x40", 19 shelves with condenser, etc.

Shriver 12" Monel Filter Press.

Shriver 18" Cast Iron Filter Press.

Alsop 4 Disc. 14" Aluminum Filter.

2—2500 liter Swenson Steel Crystallizers, Jacketed and Agitated.

2—Swenson & Zaremba 4' Evaporators.

1—Lead Lined 24" Centrif. Extractor.

1—Tolhurst 28" Centrifugal Extractor.

1—Lead Lined 500 Gal. Autoclave with 7½ H.P. Agitator; Jacketed.

6—Lead Lined Tanks, 375 to 1000 gal.

7—Steel Pressure Tanks; up to 2000 gal.

40—Electrolytic Cells, copper connections.

PUMPS, bronze, iron centrifugal and Beach Russ Vacuum, Worthington, Buffalo, etc.

Complete Motor Generator Installation incl. 2 Westinghouse DC Generators.

3—Copper Crystallizers, Jktd. Cone; 4' dia.

5—Howe Platform Scales, 1000 to 3000 lb.

Rotex Sifters; 20"x48"; 40"x84"; 54"x120".

2—Lab. W. & P. Unjacketed Mixers.

1—W. & P. 100 gal. Jktd. double arm Mixer.

2—Heat Exchangers; 100 sq. ft., copper tubes.

1—Kilbey Rotary Kiln; 5'x22'.

1—Tray Dryer with blower; 35 S.S. Trays.

4—Iron Fireman Stokes with complete equip.

1—Boiler 100 H.P. steam pump, injector, stack, etc.

2—Air Compressors, Fairbanks and Brunner.

15—Steel and Wood Storage Tanks; up to 10,000 gal.

4—Direct Fired Retorts, agitated; 3'x7'4"; swing door.

Miscellaneous Valves, S.S. Bronze, Lead, Iron Piping, Aluminum, Brass, Iron, etc.

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Agencies Wanted

WELL ESTABLISHED wholesale drug house in Canada would consider additional lines for jobbers or drug trade. Manufacturing and packaging equipment available. BOX 331, Oil, Paint and Drug Reporter.

WE ARE located in Cincinnati and have sold various industries including the paint, ink, rubber, paper and soap manufacturers for 25 years. If you produce raw materials used in these and other industries, we would be interested in representation. BOX 364, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Four Manton Gaulin 8-inch colloid mills, in good condition, complete with 220-volt motors. BOX 371, Oil, Paint and Drug Reporter.

BE YOUR own miller. We have for sale 36-in. and 42-in. burr stone mills for dry grinding; in perfect running condition; immediate delivery and low price. Mefco, 240 East 136th street, New York City.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 348, Oil, Paint and Drug Reporter.

Equipment Wanted

SIFTERS—Wolf gyrator, old or new style; Richmond gyro whip; Schutz O'Neill limited pulverizer, preferably large size. BOX 359, Oil, Paint and Drug Reporter.

Facilities Offered

CHEMICAL PLANT, medium size, can accept contracts for steady production urea-formaldehyde and phenol-formaldehyde resin adhesives, phenolic laminating varnishes, and similar products. BOX 377, Oil, Paint and Drug Reporter.

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1—Battery of 5—40" BRONZE BASKET, Western States 1600 RPM. belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil, syrup troughs, all supporting framework, unloaders.

1—Battery 6—40" and 1 battery 4—40" American Tool BRONZE BASKET, 1200 RPM., belt driven CENTRIFUGALS, plain bearings, mixer, supporting framework, syrup troughs, unloaders.

1—19,000 sq. ft., QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping, pumps, etc.

2—8'x12' All Steel OLIVER FILTERS, complete with all pumps and receivers.

8—8x10 Wood Stave OLIVER FILTERS, complete with all pumps and accessories.

8—JUICE HEATERS, 500 to 750 sq. ft. H. S.

1—Hersey double unit ROTARY DRYER OR GRANULATOR.

1—Burman ROTARY DOUBLE SHELL DIRECT HEAT PULP DRYERS.

Miscellaneous: Pumps, Packaging Machinery, Dryers, Coil and Calandria Pans

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1—24" dia. x 40" PENNSYLVANIA SINGLE ROLL CRUSHER.

1—HARDINGE CONICAL PEBBLE MILL, 6' x 36", silex lined, silent chain drive, motor and starter.

3—DORR BOWL CLASSIFIERS—
10' dia. bowl with 2'3"x19'8" rake,
12' dia. bowl with 2'3"x21'4" rake,
15' dia. bowl with 2'3"x23' rake.

1—OLIVER DUPLEX DRY VACUUM PUMP, 14" x 8".

1—HARDINGE CONSTANT WEIGHT FEEDER, ¼ HP motor.

1—DORR THICKENER MECHANISMS—
Trays and Superstructures for 20' dia. x 10'; 30' dia. x 12'; 40' dia. x 12'.

4—DORRCO DIAPHRAGM PUMPS, single and duplex.

1—8' x 8' OLIVER ROTARY CONTINUOUS VACUUM FILTER.

2—RAYMOND BROS. "IMP" PULVERIZERS, No. 40, with direct connected motors, cyclone collectors and all inter-connecting piping.

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2—32" x 72" ATMOSPHERIC DOUBLE DRUM DRYERS, m.d.

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4—6 TRUCK DRYERS, Philadelphia Textile.

9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30'.

1—7'6" x 75' Indirect Heat ROTARY DRYER.

2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.

2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.

6—DRY POWDER MIXERS various sizes. To 3000 lbs.

2—W. & P. MIXERS, sizes 21-X-DB jacketed 625 gal.

3—4-Roll RAYMOND HIGH SIDE MILLS, all equipped for vacuum air separation—one with latest "whizzer" separator, two with double cone vacuum separators. Each including exhauster, cyclone collector and interconnecting piping.

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1—Day No. 30 Imperial Jack. MIXER, 75 gal.

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9—Hardinge BALL MILLS, 3' x 36", 6' x 36"; also 6' x 12' Rod Mill.

2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS.

5—ROTARY KILNS, 6' x 60', 8' x 125', 8' x 135'.

2—BELT CONVEYORS, 30" x 130', 16" x 65'.

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4—150 gal. aluminum TANKS, cone bottom..

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1—Colton hand TUBE FILLER.

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1—Sperry Iron FILTER PRESS, 36" x 36", 38 chambers; 1—Shriver 24" x 24", 40 chambers.

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1—C. C. & S. 7-head Jumbo CROWNER

7—50 gal. copper steam jacketed VACUUM PANS, complete; other sizes to 750 gal.

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1—(new) Stokes "F" single punch TABLET MACHINE, ⅝", A. C. motor.

3—Pfaudler GLASS LINED TANKS, 2-90 gal. open, 1-100 closed.

1—No. 12 SWEETLAND FILTER with 36 monel leaves, 250 mesh, grooved.

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3—J. H. Day 80-gal. Lead Mixers.

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2—6'x5' JACKETED CLOSED PRESSURE KETTLES.

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3—Oliver Rotary Filters, 5'x8', 8'x8', 8'x11'.

5—Shriver and Independent 24", 36", 42" Wood Filter Presses.

1—Johnson 24" C. I. closed delivery Press, with 36 plates and frames.

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29—Centrifugals, 32", 40", 48" steel, bronze baskets, motor driven, top bottom discharge.

3—Hersey Rotary Dryers, 5'x30', 5'x21'.

1—Copper Rotary Dryer, 6'x17'.

2—Scott 4'x8' Vacuum Cookers

1—BUFFALO 24"x20" VACUUM DRUM DRYER.

6—Rotary Dryers, 4'x30', 6'x42', 6'x60', 6'x65'.

1—Raymond Mill, No. 0000, ball bearing, with 15 HP motor.

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2—Tyler Screens, 3'x5', 4'x5'.

1—Stokes Steel Vacuum Pan, 100 gal.

2—1750 gal. Lead Lined Pressure Tanks.

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10—Condensers, 20 to 300 sq. ft.

4—JACKETED, AGITATED STEEL KETTLES, 650, 600, 375 GAL.

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WILL PURCHASE your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. BOX 350, Oil, Paint and Drug Reporter.

DO NOT wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. BOX 351, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMIST WANTED—We are looking for a man experienced in pill and tablet production; also general knowledge of automatic packing equipment preferred but not essential. State fully your qualifications in first letter. All replies strictly confidential. BOX 346, Oil, Paint and Drug Reporter.

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

1—F. J. Stokes 3'x15' Rotary Vac. Dryer.
1—Raymond No. 10 Imp Mill, complete.
1—3 Roll High Side Raymond Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,600 gals.
2—75 & 1,500 gal. lead lined closed Kettles.
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2—Dopp 50 gal. Jacketed, Agitated Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
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6—20, 35 & 250 gal. Closed, Agitated, Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
4—Single Punch Preform Tablet Machine, ⅛" & ¾".
2—Ball & Jewell Rotary Cutters.
3—Homogenizers, 7½ & 10 HP.
4—Watson-Stillman Hydr. Pumps.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12" x 12" x 12" Vacuum Pumps.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—3 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
2—Tolhurst 26" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
2—Schutz-O'Neil 16" & 20" Pulverizers.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

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Positions Vacant

CHEMIST or chemical engineer, preferably laboratory and plant experience, development and production of coated fabric for electrical insulation. Plant Brooklyn, N. Y. BOX 310, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST; one thoroughly experienced in vitamin assay work preferred. Large western New York pharmaceutical house has fine opportunity for chemist who can qualify. Give us full particulars in first letter; we will keep it confidential. BOX 345, Oil, Paint and Drug Reporter.

PRODUCTION MAN wanted, experienced in manufacturing bronze powders, capable take complete charge; give full facts previous experience. BOX 356, Oil, Paint and Drug Reporter.

CHEMIST WANTED — Young chemist wanted by progressive lacquer and synthetic enamel manufacturer. Good opportunity for energetic man desiring permanent connection. State full details. BOX 337, Oil, Paint and Drug Reporter.

CHEMIST WANTED with sales experience and preferably mining ability. Must be sober, industrious and a producer; give experience and qualifications and we will give additional details of position. Write Box 1950, Raleigh, N. C.

CHEMICAL PRODUCTION man wanted by small agricultural insecticide firm, long established, located 60 miles from New York. Position supervisory, attractive and permanent for experienced, capable man. State fully experience, salary at last employment. All correspondence strictly confidential. BOX 365, Oil, Paint and Drug Reporter.

SALESMAN WANTED with car. Experienced in selling dealers, hardware, and industrial plants. To promote full line of paints, varnishes, enamels, and coatings. Territory: Bergen, Essex and Passaic counties. Satisfactory proposition for a man of responsibility. BOX 367, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN wanted by well-established firm in Rhode Island. Thorough knowledge of Rhode Island territory with following in industrial trade. Car necessary; location Providence office, good postwar opportunity. Salary plus commission. All applications held in strict confidence. BOX 369, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST — Permanent position open with large midwestern paint and varnish manufacturer. Excellent postwar prospects. Give full details about self, draft status and salary expected. BOX 372, Oil, Paint and Drug Reporter.

SPECIALS

Abbe 300 gal. Silex Lined Pebble Mill.
Buffalo 24 x 20 Vacuum Drum Dryer.
W & P 500 gal. Jack. & Ag. Mixing Kettle.
Sperry 42" wood plate and frame Filter Press, C.D.
Shriver 24" Filter Press, C.D.
Vallez Rotary Filter, 35 leaf, 957 sq. ft.
Rotary Tablet Machine, Kux-Lohner 1" max. dia.

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1—Kent 9 in. x 22 in. - 5 roller Hi ROLLER MILL
3—32 in. x 36 in. PEBBLE MILLS
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10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

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1—6 x 15' Allis Chalmers Tube Mill.
2—Colloid Mills requiring 40 hp. each.
3—3-roll Mills: 9 x 24, 12 x 30.
4—Lead Lined Tanks, 400-1000 gallons.
1—Blue Streak 20 hp. Hammer Mill.
1—No. 150 Kelly Filter.
2—Lard Rolls: 4 x 5' single, 2 x 5' double.
1—40" Tolhurst copper basket Centrifugal.
2—(New) Triangle Filling Lines.
7—Watson-Stillman 6 ton hyd. Arbor Presses.
2—No. 2 and No. 3 Austin Gyratory Crushers.

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CHEMIST WANTED by midwest manufacturer. Must be experienced in disinfectant field. Postwar employment assured. Write in detail to BOX 370, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, thoroughly experienced in oil refining and vegetable oil factionation and segregation. This is a permanent position with large manufacturer in Chicago area, offering unusual postwar opportunities. Replies should give full information and will be treated in strictest confidence. Please answer in fullest detail. BOX 373, Oil, Paint and Drug Reporter.

A NEW ENGLAND paint manufacturer making a complete line of paints desires the services of an experienced chemist. Excellent position for the right party. BOX 374, Oil, Paint and Drug Reporter.

CHEMIST, GRADUATE, experience preferred, oleo-resinous, pyroxylin, plastic coatings on fabrics. Excellent opportunity. Now and postwar. Write full details. BOX 375, Oil, Paint and Drug Reporter.

Positions Wanted

VERSATILE EXECUTIVE — Pharmacist chemist, manufacturing and production experience, background professional promotion and sales, knowledge of personnel supervision and mechanics; seeking position as assistant to busy administrator who wishes to be relieved of the physical effort of his office. BOX 353 Oil, Paint and Drug Reporter.

SPECIALIST in chemical-resistant paints, synthetic rubber enamels, hot surface finishes, maintenance and marine coatings wishes to join progressive paint manufacturer, New York or vicinity; may invest. BOX 368, Oil, Paint and Drug Reporter.

BIO-CHEMIST—Years of experience in vitamin and fish-oil fields; desires position with postwar future in production or development work near New York City. BOX 378, Oil, Paint and Drug Reporter.

Services Offered

DO YOU have a difficult job that has defied solution? Do you have a manufacturing process that snarls up your production and costs you wasted time and money? We can help you. If our past record is any indication, we have a 90% chance of solving your difficulty in a minimum of time. Our experienced staff is willing and able to work with you with no waste motion. BOX 366, Oil, Paint and Drug Reporter.

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Botanical Drugs

—Continued from page 58

advanced last week to 12c. to 12½c. per pound.

Sabadilla.—After a period of some scarcity, powdered material returned to spot offerings at 35c. to 36c. per pound.

Spices

Cassia.—Considering the fact that first hand importers have not offered any Batavia material for months on end, it may pass the time to observe that retail stores in this city are offering ground material at 15c. per ounce. The last price paid for prime, No. 1 thinquill in whole form, was 60c. per pound among importers.

Cinnamon.—Although little came on the open market for general distribution, an arrival of 326 bags was reported.

Clove.—Forward shipment Zanzibar spice was offered at 16¾c. to 17¼c. per pound, the only price in the market since spots became unobtainable.

Ginger.—Some No. 3 Jamaica root was offered at the sharp reduction to 24½c. to 25c. per pound—and buyers did not crowd the waiting rooms of the local entrepreneurs.

Nutmegs.—West Indian spice was cheaper at 34c. to 34½c. per pound.

Pepper.—Carolina longs were nominal at 29c. per pound in the red chillies market. Also, Carolina sports were lower at 45c. to 46c. per pound, and Louisiana sports were at the same price level. No more birdseye pepper was offering. Stocks of black pepper on August 31 were reported at 177,350 bags, a reduction of 1,906 bags during that month.

Recent Imports

All matter under this head fully protected by copyright

ALOES—100 cs, Norwich Pharmacal Co
10 cs
ANNATTO SEED—200 bgs, Pablo Calvet & Co
90 bgs, D Steengrafe
BEEF LIVERS—75 cs, Wilson & Co
BRISTLES—4 cs, Robert Schwarz Bristle Co
CAFFEINE, ANHYD—2 bbls, Coca Color Co
71 bbls, Lo Curtos & Funk
CASEIN—1,070 bgs, 177,946 lbs, Tupman, Thurlow Co, Inc
215 bgs, Paul & Stern Bros
1,100 bgs, 121,233 lbs, H S Cramer & Co
1,500 bgs, 165,345 lbs, Chemical Bank & Trust Co
508 bgs, 65,997 lbs, Republic Chemical Corp
2,400 bgs, 264,562 lbs, Hercules Powder Co
2,878 bgs, 319,667 lbs, American Cyanamid & Chemical Co
1,016 bgs, 111,995 lbs, Packing Products Co
CASEIN—716 bgs, 78,925 lbs, National Casein Co
9,991 bgs, 1,101,317 lbs, American British Chemical Supplies, Inc
1,140 bgs, 125,662 lbs, Hercules Powder Co
967 bgs, 127,886 lbs, Breakstone Bros, Inc
440 bgs, 48,501 lbs, J E Rhoads & Sons
360 bgs, 39,683 lbs, National Casein Co
508 bgs, 55,997 lbs, T M Duche & Sons
1,000 bgs, 110,230 lbs, Alfred Schroeder Import Co, Inc
680 bgs, 89,940 lbs, Casein Co of America
CASHEW KERNELS—100 cs, 5,000 lbs, A Zulow Co
1,489 cs, 74,450 lbs, W A Higgins Co
4,651 cs, 232,550 lbs, W A Camp Co
375 cs, 18,750 lbs, General Foods Corp
400 cs, 20,000 lbs, W A Herth Co
2,300 cs, 113,000 lbs, Bemis, Ltd
2,400 cs, 120,000 lbs, L Demartini
100 cs, 500 lbs, Biddle Purchasing Co
300 cs, 15,000 lbs, National City Bank
880 cs, 44,000 lbs, Bazzines Co
12,300 cs, 615,000 lbs, Braun Importing Co
4,580 cs, 229,000 lbs, T M Duche & Sons
CASTOR BEANS—1,688 bgs, 253,200 lbs, Spencer Kellogg & Sons
2,085 bgs, 312,750 lbs, Commodity Credit Co
CELERY SEED—345 bgs, 44,850 lbs, Otto Gerdau Co
100 bgs, 13,000 lbs, Kachurin Drug Co
CHILLIES—156 bgs, Balfour, Guthrie & Co
59 bgs, Barclay Bank
CINNAMON—440 bls, 44,000 lbs, A G Dunn
100 bls, 10,000 lbs, J S Toledano & Pinto
208 bls, 20,800 lbs, C M Van Sillevoldt
100 bls, 10,000 lbs, Archibald & Kendall
253 bls, 25,300 lbs, Catz American Co
628 bls, 62,800 lbs, Volkart Bros
100 bls, 10,000 lbs, Wessel, Duval & Co
300 bls, 30,000 lbs, S L Jones & Co
7 bls, 700 lbs, Hudson Worth Co
90 bls, 9,000 lbs, Otto Gerdau Co
1,000 bls, 100,000 lbs, C T Wilson & Co
100 bls, 10,000 lbs, Holland Colombo Trading Soc, Inc
300 bls, 30,000 lbs
COBALT, CRUDE—435 dms, African Metal Corp
COCA LEAVES—100 bls, Maywood Chemical Works
COCOA BEANS—56,000 bgs, 11,200,000 lbs, United States Commercial Co
250 bgs, 50,000 lbs, General Cocoa Co
1,500 bgs, 300,000 lbs, Wessel, Kulenkampf & Co
CORK—43 bgs, Mundet Cork Co
18 bgs, Cork Importing Co
INSULATOR & BOARD—636 cartons, Cork Importing Co
VIRGIN—1,873 bls, Armstrong Cork Co
WASTE—1,016 bls, Wicander & Co
1,468 bls, Crown Cork & Seal Co
791 bls, Armstrong Cork Co
WOOD—980 bls, Armstrong Cork Co
50 bls, Bridgetts & Co
58 bls, Koons Wilson Co
2,243 bls, Crown Cork & Seal Co
FERTILIZER—30 bgs
GRAINS OF PARADISE—8 bgs, Barclay Bank
GUM, ARABIC—201 bgs, Barclay Bank
200 bgs, Balfour, Guthrie & Co
CHICLE—300 bgs, Chicle Development Co
70 bgs, H A Astlett & Co
COPAL—123 bgs, France Campbell & Darling
4 bgs, Van Norden & Archibald
3,000 bgs, O G Innes Corp
1,700 bgs, Stroock & Wittenberg
145 bgs, Industrial Chemical Co
240 bgs, H P Winter & Co
990 bgs, Balfour, Guthrie & Co
GYPSUM—1,335 tons, United States Gypsum Co
HAIR, GOAT—40 bls
IODINE—1,950 bbls, Anthony Gibbs & Co
MENTHOL—25 cs, Roal & Co, Inc
25 cs, Wax & Rosin Product, Inc
140 cs, C L Huisking & Co
9 cs, Doggett & Ramsdell
20 cs, Republic Chemical Co
25 cs, McKesson & Robbins
41 cs, Vick Chemical Co
20 cs, Bristol Myers Co
10 cs, Arnhold Export & Import Co
MICA—541 cs, United States Commercial Co
OIL, BERGAMOT—5 cs, Dodge & Olcott Co
CHAULMOOGRA—18 cs, Magnus, Mabee & Reynard
CITRONELLA—20 dms, Joensson & Cross
GERANIUM—9 cks, Rohner, Gehrig & Co
LEMONGRASS—18 dms, P R Dreyer
9 dms, Givaudan Delawanna
2 dms, W J Bush & Co
5 dms, Orbis Product Corp
5 dms, Geo Lueders & Co
PALM—1,257,739 kilos, Balfour, Guthrie & Co
SASSAFRAS—20 dms, Orbis Product Corp
OX GALLS—6 bbls, Wilson Laboratory
PALM KERNELS—2,229 bgs, United States Commercial Co
PAPAIN—6 cs, Dodwell & Co
20 cs, Oceano Shipping Co
PYRETHRUM FLOWERS—512 bls, United States Commercial Co
RHUBARB—100 bgs, Kachurin Drug Co
SHARK LIVERS, SALTED—10 bbls, California Packing Co
SODA NITRATE—22,902 bgs, Chilean Nitrate Sales Corp
VALERIAN ROOT—100 bgs, Superintendence Co
WAX, BEES—200 blocks, Innis, Speiden & Co
145 bgs, Industrial Sales Corp
570 bgs, Wm Potter & Co

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Facts about Vitamin D (A. R. P. I. Process)

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